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VOLUME 2

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James O. Turner

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DEPARTMENT ENGINEERING NOTES AND SPECIFICATIONS

Volume 2

James O. Turner

Lawrence Radiation Laboratory
University of California
Berkeley, California

April 1965

Introduction

This document is a list and index of engineering notes and specifications issued by the Mechanical Engineering Department of the Lawrence Radiation Laboratory at Berkeley up to approximately March 15, 1965.

The publication is divided into two sections. Section I is a listing of specifications and engineering notes arranged by number, with complete bibliographical information (author, title, and date) for each item.

Section II is a "Keyword-Plus-Title" index, in which the significant or "key" words in the titles of the engineering notes and specifications have been arranged alphabetically. In addition to the indexed key word, each entry contains the complete title and bibliographical information for the engineering note or specification. To the right of each entry will be found its number. Section II also contains key words for a detailed subject approach to the group headings in Section I.

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AA0300 M3188A TENTATIVE SPECIFIC INSTRUCTIONS FOR SMALL LIQUID HYDROGEN EXPERIMENTS LOCATED IN CLOSED ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 11/18/64 R4/29/64, 4P)

AA0300 M3206 UNATTENDED INDUSTRIAL-TYPE LIQUID HYDROGEN DEWARs (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/11/63, 1P)

AA0300 M3209 BUBBLE-CHAMBER COMBINED OPERATION, SPRING 1964 (HYDROGEN SAFETY SAFETY REQUIREMENTS FOR 25-IN HYDROGEN AND 30-IN PROPANE COMMITTEE. R BYRNS. 12/17/63, 2P)

AA0300 M3225 PRESSURE TEST OF ALL ALUMINUM LH2 FLASK (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 1/6/64, 1P)

AA0300 M3249 THE MAGNEHELIC GAGE REVISITED (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 1/23/64, 1P)

AA0300 M3265 SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 2/21/64, 1P)

AA0300 M3268 ENGINEERING SAFETY MEETING OF FEBRUARY 20, 1964 (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 2/24/64, 2P)

AA0300 M3277 ACCIDENT WITH SWAGELOCK CAP (HYDROGEN SAFETY COMMITTEE. R BYRNS, F BARRERA. 3/2/64, 2P)

AA0300 M3449 PRESSURE TEST OF LOWER VACUUM JACKET ASSEMBLY (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)

AA0300 M3450 ELECTRIC HEATERS ON HYDROGEN TARGET RESERVOIRS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)

GROUP AA0500 MECHANICAL TECHNICIANS, GENERAL:

AA0500 M3425 A REFLECTIVE COATING OF MAGNESIA AND SODIUM SILICATE FOR CERENKOV COUNTERS (H KRAPP, J BYCE. 9/30/64, 2P)

GROUP AA0501 OPTICAL INSTRUMENTATION AND TOOLING:

AA0501 M3403 A MINIATURE POSITIONING UNIT FOR STABLE, MULTI-COORDINATE APPLICATIONS (J WILTENS. 7/31/64, 7P)

AA0501 M3408 A DEVICE FOR RAPID AND THOROUGH CHECKING OF LEAD SCREWS (J HODGES 9/10/64, 2P UCID 2362)

AA0501 M3426 ANTI-BACKLASH NUT FOR MEASURING STAGES (J WILTENS. 9/30/64, 3P)

AA0501 M3482 MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P)

GROUP AA0503 PREPARATION OF THIN FILMS.:

AA0503 M3104 THE PRODUCTION OF THIN ORGANIC FILMS OF ZAPON (D O CONNELL. 5/3/63, 4P)

AA0503 M3105 A TECHNIQUE FOR THIN INORGANIC FILM PRODUCTION AND MOUNTING (D O CONNELL. 5/3/63, 1P)

AA0503 M3106 A SIMPLE PROCEDURE FOR THE PREPARATION OF CARBON FILMS (OF INTERMEDIATE THICKNESS) (D O CONNELL. 5/3/63, 1P)

AA0503 M3107 THIN, UNBACKED METAL AND OTHER INORGANIC FILMS (D O CONNELL. 5/3/63, 2P)

GROUP AA0901 WORK FOR SLAC:

AA0901 M3423 ALIGNMENT TELESCOPE BRACKET (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 9/11/64, 4P UCID 2380)

AA0901 M3440 PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 8/28/64, 4P UCID 2417)

AA0901 M3441 MAGNET ALIGNMENT BY OPTICAL TOOLING (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/1/64, 10P UCID 2418)

AA0901 M3442 MIRROR TARGET ROTATIONAL ACCURACIES BY JIG TRANSIT (OBSERVATIONS FROM TWELVE FEET) (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 10/23/64, 3P UCID 2419)

AA0901 M3444 PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 9/3/64 6P UCID 2421)

AA0901 M3447A PRECISION MIRROR TILTING IN TWO COORDINATE PLANES (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/23/64 R11/17/64 3P UCID 2422)

GROUP AB0101 ENG-TECHNOLOGY, GENERAL:

AB0101 M3340 A NEW TYPE WATER FLOW SWITCH AND INDICATOR (W EATON, F CROSBY. 6/15/64, 3P)

AB0101 M3352 A RECIRCULATOR AND PURIFIER FOR SPARK-CHAMBER NEON GAS (E MCLAUGHLIN, R SCHAFFER. 6/24/64, 1P)

GROUP AB0102 LIQUEFIED GAS STORAGE AND EQUIPMENT.:

AB0102 M3050 LIQUID NITROGEN LEVEL CONTROL-SYSTEM (R CHANEY. 5/13/63, 2P)

GROUP AB0103 SUPERCONDUCTIVITY STUDIES.:

AB0103 M3018 COST OF SUPERCONDUCTING MAGNETS (H HERNANDEZ. 3/31/63, 8P)

AB0103 M3388 CONSTRUCTION AND PERFORMANCE TESTS OF 2-1/2-IN. ID, 36-KG SUPERCONDUCTING COIL
(R WOLGAST. 8/12/64, 4P)GROUP AB0105 EVALUATION OF VACUUM EQUIPMENT:AB0105 M3369 WORK DONE ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY 1964 (F
REINATH. 7/16/64, 4P)AB0105 M3385 WORK PLANNED ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY 1965 (F
REINATH. 8/10/64, 3P)GROUP AB0108 INVESTIGATIONS OF PLASTICS, RUBBERS, ADHESIVES.:AB0108 M3306 INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS
CONSTRUCTED OF WATER COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER.
4/15/64, 14P UCID 2185)GROUP AB0400 ENG-TECHNOLOGY FOR LIVERMORE:AB0400 M3120A CONVEYOR LINE FACILITY, BUILDING 171, SUGGESTED ASSEMBLY PROCEDURE (J
HAUGHIAN. 8/22/63 R9/4/63, 2P)AB0402 M3021 DIAGNOSTIC INSTRUMENT PACKAGE USING STEEL VESSEL, PRELIMINARY INVESTIGATION (R
MEUSER. 3/28/63, 11P)

AB0403 M3033 CUSTOM VACUUM BELL JAR (J HAUGHIAN. 4/22/63, 13P)

GROUP AC0100 ADVANCD-ACCELERATOR, OVERALL ENGINEERING STUDIES:

AC0101 M3216 MECHANICAL ENGINEERING WORK (ADVANCED ACCELERATOR. H GORDON. 12/19/63, 15P)

GROUP AC0200 ADVANCD-ACCELERATOR, LINAC INJECTOR:AC0200 M3202 ACCELERATING WAVEGUIDE FABRICATION (ADVANCED ACCELERATOR, AGS LINAC INJECTOR.
R MEUSER. 12/3/63, 3P)

AC0200 M3341 ACCELERATING WAVEGUIDE COSTS (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R MEUSER. 6/12/64, 1P)

AC0200 M3506 COST ESTIMATE, MECHANICAL COMPONENTS (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/1/65, 7P)

GROUP AC0300 ADVANCD-ACCELERATOR, SYNCHROTRON INJECTOR:

AC0300 M3246 INJECTOR, MECHANICAL HARDWARE AND ENGINEERING, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P)

AC0300 M3258 COST ESTIMATE, ZERO ORDER, MAGNET-ENCLOSURE, MAGNET AND VACUUM-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 1/27/64, 12P)

AC0300 M3344 BROOKHAVEN, CAMBRIDGE, GENERAL-ELECTRIC, TRIP-REPORT (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 6/16/64, 28P)

AC0300 M3407 CORNELL, PRINCETON, CRYOGENIC ENGINEERING CONFERENCE (AUGUST, 1964) (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 8/24/64, 12P)

AC0300 M3452 BOOSTER CAPITAL COST AS A FUNCTION OF BEAM ENERGY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 9/64 30P)

AC0300 M3471 PARAMETER SELECTION COST SUMMARY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 12/21/64, 17P)

AC0300 M3475 BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. H HERNANDEZ. 12/21/64, 14P)

AC0303 M3358 EDDY-CURRENTS IN A ROUND CONDUCTOR DUE TO AN EXTERNAL MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, MAGNETS. S JOHNSON. 6/16/64, 8P)

AC0303 M33908 MAGNET PARAMETER STUDY, JUNE 1964 (ADVANCED ACCELERATOR BOOSTER SYNCHROTRON. H HERNANDEZ. 8/12/64 R11/10/64 R1/11/65, 44P)

AC0303 M3470 GRADIENT MAGNET POLE FACE DEVELOPMENT (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON MAGNETS. V KOPYTOFF. 12/16/64, 5P)

AC0304 M33228 RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/29/64 R5/8/64 R2/17/65, 11P UCID 2450)

AC0304 M3331A RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 5/20/64 R3/2/65, 22P UCID 2451)

AC0304 M3322 RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/29/64 R5/8/64, 11P)

AC0304 M3339A RF-SYSTEM, A MECHANICAL TUNING-SYSTEM FOR A CAVITY TO BE TUNED FROM 50-MC TO 100 MC (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN 6/2/64 R3/2/65, 22P UCID 2452)

AC0304 M3348 COOLING OF FERRITE IN RF CAVITIES BY WATER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. R WOLGAST. 6/19/64, 12P)

AC0304 M3365 A ROTARY CAPACITIVE TUNING-SYSTEM FOR A 50-MC TO 100-MC RF CAVITY (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON RF-SYSTEM. M GREEN. 6/29/64, 27P)

AC0304 M3381 COOLING OF FERRITE IN RF CAVITIES BY FORCED AIR (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, RF SYSTEM. R WOLGAST. 7/29/64, 15P)

AC0305 M3295 REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P)

AC0305 M3455 A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F MIDDLETON. 11/30/64, 8P)

AC0305 M3503 WESGO, LITTON-IND, AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTON VACUUM SYSTEM. G BEHRING. 2/19/65, 4P)

GROUP AC0400 ADVANCED-ACCELERATOR, MAIN RING STRUCTURE:

AC0402 M3398 LATERAL STIFFNESS OF PROPOSED DEEP PILE FOUNDATION (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 8/24/64, 8P UCID 3249)

AC0404 M3229 PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 11/1/63, 4P)

AC0404 M3230 IMPORTANT TO MAGNET ALIGNMENT-SYSTEM (ADVANCED ACCELERATOR, A METHOD OF SUPPORTING THE BEAM AND ESTIMATES OF DEFLECTIONS MAGNET RING SUPPORT BEAMS. 220 FT LONG. W SALSIG. 12/27/63, 9P)

AC0404 M3242 CROSS-SECTION PARAMETERS FOR BEAMS (8-FT TO 15-FT DEEP) (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 1/24/64, 7P)

- AC0404 M3243 COST ESTIMATES FOR 2 AND 6 GEV INJECTION, C AND H MAGNET LAYOUTS (ADVANCED ACCELERATOR, MAGNET SUPPORT BEAMS AND FOUNDATIONS. W SALSIG. 1/23/64, 17P UCID 2089)
- AC0404 M3270 THE ADVANTAGE OF CENTERING BEAM IN TUNNEL, (WITH THREE EXAMPLES) (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W CHAMBERLAIN. 2/26/64, 6P)
- AC0404 M3283 NATURAL FREQUENCIES FOR BEAMS DESCRIBED IN NOTE M3243 (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. S JOHNSON. 3/17/64, 3P)
- AC0404 M3304 RESONANT FREQUENCY AND LATERAL STIFFNESS OF PILE-SYSTEMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W CHAMBERLAIN. 4/14/64, 8P)
- AC0404 M3319 MAGNET SUPPORT STRUCTURE CONSIDERATIONS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURE AND SUPPORTS. W SALSIG. 4/29/64, 6P)
- AC0404 M3321 YEARLY DEFLECTION INCREASE DUE TO CREEP AND SHRINKAGE FOR 1 AND 2 CELL BEAMS (TROXELL, RAPHAEL, DAVIS CRITERIA) (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT BEAMS. W SALSIG. 4/25/64, 3P)
- AC0404 M3336 BEAM SIZES, STRESSES, SPACING AND DEFLECTION, COMMERCIAL WF BEAMS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATION AND SUPPORTS, HALF-CELL LONG STEEL BEAMS. W SALSIG. 8/6/64, 6P)
- AC0404 M3360 TRANSIENT RESPONSE TO EARTHQUAKE MOTION OF A CONTINUOUS CONCRETE BEAM 93-FT LONG (ONE CELL) (ADVANCED ACCELERATOR, MAIN RING MAGNET SUPPORT AND ENCLOSURE. S JOHNSON. 5/7/64, 10P)
- AC0404 M3500 PILE CAP POSITION REMOTE INDICATING READ-OUT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATIONS AND SUPPORT. F MIDDLETON. 2/9/65, 7P)
- AC0409 M3226 FOUR DESIGNS FOR SITES REQUIRING DEEP FOUNDATIONS, PRELIMINARY COST COMPARISON (ADVANCED ACCELERATOR, MAGNET ENCLOSURE. W SALSIG 12/20/63, 16P UCID 2067)
- AC0409 M3244 PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P)
- AC0409 M3320 MAGNET ENCLOSURE GENERAL ARRANGEMENTS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURES AND SUPPORTS. W SALSIG. 4/29/64, 4P)

AC0411 M3279 CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST ESTIMATES (FOR 150 FT, 132 FT, AND 114 FT DIA STRUCTURES) (ADVANCED ACCELERATOR, MAIN RING MAJOR EQUIPMENT ACCESSWAY, STUDIES NO. 11 AND NO. 12. O CALLAHAN. 3/4/64, 4P)

GROUP AC0500 ADVANCED ACCELERATOR, MAIN RING MAGNETS:

AC0500 M3095 COMPUTER PROGRAMS FOR DESIGNING MAGNETS FOR MINIMUM COST (ADVANCED ACCELERATOR. R SCHWARZ. 7/9/63, 3P)

AC0500 M3181 PRELIMINARY COMPARISON OF NORMAL H AND CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 11/13/63, 6P)

AC0500 M3238 RING MAGNET COST STUDY, (JANUARY 1964 CASES H2 AND H6) (ADVANCED ACCELERATOR. R KILPATRICK. 1/24/64, 4P)

AC0500 M3248 PRELIMINARY COST ESTIMATE OF CORRECTING MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/28/64, 1P)

AC0500 M3468 MAGNET BUS BAR-SYSTEM AND INTERNAL COIL CONNECTIONS (ADVANCED ACCELERATOR MAIN RING. R KILPATRICK. 12/15/64, 2P)

AC0501 M3154 PRELIMINARY SURVEY OF MAGNET DESIGN PROBLEMS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 9/27/63, 7P)

AC0501 M3257 LIST OF REQUIRED MAGNET DESIGN PARAMETERS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/7/64, 2P)

AC0501 M3259 INITIAL THOUGHTS ABOUT TOLERANCES ON MAGNET UNIT (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/10/64, 2P)

AC0501 M3453 MAGNET YOKE FABRICATION, (PRELIMINARY DISCUSSION) (ADVANCED ACCELERATOR, ALTERNATING GRADIENT RING MAGNETS. R KILPATRICK. 11/16/64, 12P)

AC0502 M3170 VANADIUM PERMENDUR MAGNET POLE TIPS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/22/63, 2P)

AC0505 M3155 MAGNET CONDUCTOR LENGTHS FOR FLAT COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 1P)

AC0505 M3156 MAGNET CONDUCTOR LENGTHS FOR SADDLE COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 2P)

AC0505 M3211 TOLERANCE ON MAGNET COIL LOCATION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 12/18/63, 4P)

AC0505 M3254 CURRENT-DENSITY IN CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/31/64, 3P)

AC0505 M3261 APPROXIMATE INDUCTANCE CALCULATION FOR A MODIFIED CONFORMAL H MAGNET (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/25/64, 11P)

AC0505 M3326 REDUCING STRESS VARIATION IN MAGNET CORES WITH LEG AT ENDS (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 5/12/64, 4P)

AC0508 M3200 A POSSIBLE MAGNET ALIGNMENT-SYSTEM AND ITS IMPLICATIONS (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 11/27/63, 18P UCID 2018)

AC0508 M3237 AN ECONOMICAL METHOD FOR MONITORING MAGNET ALIGNMENT DURING OPERATION (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 1/23/64, 10P)

GROUP AC0800 ADVANCD ACCELERATOR, MAIN VACUUM-SYSTEM:

AC0800 M3134 ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/10/63, 10P)

AC0800 M3241B MAIN VACUUM-SYSTEM COST ESTIMATE (ADVANCED ACCELERATOR. F REINATH. R1/24/64 R3/17/64, 8P UCID 2152)

AC0800 M3263 DEFINITION OF PROBLEMS IN MAIN VACUUM-SYSTEM (ADVANCED ACCELERATOR. F REINATH. 2/17/64, 18P UCID 2127)

AC0800 M3281 ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 3/9/64, 8P UCID 2150)

AC0800 M3284 MAIN VACUUM-SYSTEM, COMPARISON BETWEEN PRELIMINARY COST ESTIMATES AND CONTRACT BIDS (ADVANCED ACCELERATOR. F REINATH. 3/17/64, 2P)

AC0800 M3299 MEETING WITH DR. E. FISCHER FROM CERN ON VACUUM PROBLEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 4/7/64, 5P)

AC0800 M3412 VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P)

AC0800 M3269A EVALUATION OF PROPOSED VACUUM PUMPING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM-SYSTEM. F REINATH. 2/24/64 R3/2/64, 3P UCID 2128)

AC0800 M3510 ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN (ADVANCED ACCELERATOR MAIN VACUUM SYSTEM. F REINATH. 1/15/65, 21P)

AC0801 M3227 COMPARATIVE STUDY OF VACUUM CHAMBER MATERIALS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. R NICKERSON. 1/2/64, 4P)

AC0801 M3292A MATERIAL AND WALL THICKNESS OPTIMIZATION FOR SIMPLIFIED VACUUM CHAMBER (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. S JOHNSON. 4/3/64 R4/10/64, 6P UCID 2363)

GROUP AC1000 ADVANCD ACCELERATOR, EXTRACTED BEAMS AND TARGETS:

AC1001 M3451 BEAM EXTRACTION MAGNETS, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 11/9/64 6P)

GROUP AC1100 ADVANCD-ACCELERATOR, EXPERIMENTAL AREAS:

AC1100 M3247 EXPERIMENTAL AREA, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/28/64, 1P)

GROUP AC1200 ADVANCD-ACCELERATOR, SHIELDING AND PERSONNEL PROTECTION.:

AC1200 M3508 ROLLING CONCRETE SHIELDING ACCESS DOOR PLUG (ADVANCED ACCELERATOR. J SATTI. 3/3/65, 5P)

AC1200 M3514 SHIELDING FOR NEUTRON ATTENUATION IN THE MAJOR EQUIPMENT ACCESS (ADVANCED ACCELERATOR. J SATTI. 3/11/65, 2P)

GROUP AT0100 TARGETS, HYDROGEN, HELIUM:

AT0101 M3251 1-1/4-IN DIA. X 3-1/8-IN LG. GAS TARGET OPERATING PROCEDURE (W POPE. 1/28/64, 2P)

AT0101 M3419 HYDROGEN TARGET OPERATING PROCEDURE WITH 150-LITER DEWAR (E MCLAUGHLIN. 10/8/64, 5P UCID 3281)

AT0102 M3111 STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E. MCLAUGHLIN. 7/31/63, 15P)

AT0102 M3180 ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W POPE, J HUGULEY. 11/7/63, 3P)

AT0102 M3187 VACUUM-JACKET WINDOWS, ANALYSIS OF LONG RECTANGULAR MEMBRANE WINDOWS (J TANABE. 11/13/63, 8P)

AT0102 M3197 COLD DEEP DRAWING OF POLYESTER FILM (W POPE, J HUGULEY, E MCLAUGHLIN. 11/20/63, 2P)

AT0102 M3235 SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P)

AT0102 M3252 BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P)

AT0102 M3402 LIQUID DEUTERIUM TARGET FOR ARGONNE (R WOLGAST. 8/28/64, 3P UCID 2352)

AT0102 M3497 CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)

GROUP BE0100 BEVATRON, BUILDING, UTILITIES:

BE0104 M3112 ADJUSTMENTS AND ALTERATIONS TO THE TOWER-4 LOW-CONDUCTIVITY WATER-SYSTEM AND LOADS (BEVATRON. W EATON. 8/2/63, 3P)

BE0104 M3192 RECOMMENDED CHANGES TO LCW SYSTEMS TO ACCOMMODATE NEW LOADS (BEVATRON. W EATON, F CROSBY. 11/20/63, 3P)

GROUP BE0500 BEVATRON, ACCELERATING-SYSTEM:

BE0503 M3276A BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64 R4/8/64, 3P)

GROUP BE0600 BEVATRON, GENERAL.:

BE0601 M3046 CODE NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING NOTES (W SALSIG. 5/14/63, 2P)

BE0601 M3207 DESIGN OF PLATFORM REINFORCEMENT FOR HIGHER FLOOR LOADING (BEVATRON. A GLICKSMAN. 4/26/56 ISSUED 12/10/63, 36P)

BE0601 M3467 SUMMARY OF MECHANICAL ENGINEERING WORK FOR THE BEVATRON (PERIOD OF OCTOBER 1, 1963 TO OCTOBER 3, 1964) (K LOU. 12/11/64, 7P)

BE0610 M3062 EXAMINATION OF 30-TON A CRANE HOOK (BEVATRON. J SHIVELY. 5/27/63, 2P)

BE0610 M3115 HOOK-SUSPENDED LIFTING HARDWARE (BEVATRON. J SHIVELY. 8/7/63, 1P)

BE0610 M3186 BLOCK LIFTING FIXTURE ARMS, ADAPTER AND 1-1/2-IN DIAMETER PIN (BEVATRON. S WORTMAN. 11/18/63, 3P)

BE0610 M3289 ELECTRIC HOIST ACCEPTANCE TEST (BEVATRON. R KREVITT. 4/1/64, 3P)

BE0610 M3289A ELECTRIC HOIST ACCEPTANCE TEST AND A FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P)

BE0610 M3317 30-TON TRANSFER BEAM DESIGN (BEVATRON. H FALSTER. 4/62 PUBLISHED 4/29/64, 9P UCID 2215)

BE0610 M3459 DESIGN OF ROOF JIB CRANE (BEVATRON HANDLING EQUIPMENT. S WORTMAN. 11/8/64, 12P)

GROUP BE0700 BEVATRON, EXPERIMENTAL FACILITIES:

BE0701 M3048 LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE TIP PHYSICAL REALIGNMENT (BEVATRON. R EDWARDS. 5/15/63, 2P)

BE0702 M3036 HYDRAULIC CLIPPER PLUNGER DESCRIPTION AND OPERATION (EAST INSIDE SOUTH) (BEVATRON. R EDWARDS. 4/29/63, 14P)

BE0702 M3123A GAP-MOUNTED FLIP-TARGET (MK VIII-T) LONG COIL WINDING INSTRUCTIONS (BEVATRON. D STONE, D VANECEK. 8/22/63 R9/19/63, 4P)

BE0702 M3135 STATIC TEST OF COUPLING FOR TRAVELING TARGET (BEVATRON. K STONE. 9/18/63, 2P)

BE0702 M3136 GAP-MOUNTED FLIP-TARGET (MK VIII-T) SHORT COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/13/63, 3P)

BE0702 M3137 GAP-MOUNTED FLIP-TARGET (MK VIII-T) STRAIGHT-TO-CURVED ASSEMBLY PROCEDURE (BEVATRON. K STONE, D VANECEK. 9/16/63, 3P)

BE0702 M3138 GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K STONE, D VANECEK. 9/13/63, 6P)

BE0702 M3139 GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/17/63, 5P)

BE0702 M3485 EXPERIMENTAL DETERMINATION OF THE INERTIA OF THE MK VIII GAP-MOUNTED FLIP TARGET DRIVE (BEVATRON EXPERIMENTAL FACILITIES. S JOHNSON. 1/15/65, 34P)

BE0705 M3061 8 AND 12-INCH, TYPE QB QUADRUPOLE MAGNETS PRELIMINARY DISCUSSION OF FINAL ASSEMBLIES (BEVATRON. R KILPATRICK. 5/27/63, 3P)

BE0705 M3198 18-IN X 36-IN LP MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION
(BEVATRON. I HALPERN. 11/22/63, 1P)

BE0705 M3208 AN APPRAISAL OF WATER COOLING HOSES (BEVATRON. S WASILIK. 12/4/63 33P)

BE0705 M3220A 12QB AUXILIARY MAGNETS SPECIAL LIFTING FRAME FOR USE IN ASSEMBLY BUILDING
(BEVATRON. V FLETCHER. 12/19/63 R3/5/64, 6P)

BE0705 M3256 ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J
ROSCELLEY. 2/4/64, 3P)

BE0705 M3275 18 X 60 H MAGNET, DESIGN AND COST ESTIMATE (BEVATRON. J WALTER. 3/5/64, 10P
UCID 2129)

BE0705 M3293 DESIGN FOR HOSE BARBS FOR 1/4-IN I.D. WEATHERHEAD H-9 HOSE (PROPOSED)
(BEVATRON. S WASILIK. 3/12/64, 3P)

BE0705 M3329 STUDY OF MAGNETO-OPTICS AS APPLIED TO A QUADRUPOLE MAGNET CENTER INDICATOR
(BEVATRON. S WASILIK. 5/11/64, 11P)

BE0705 M3422 INSTRUCTIONS FOR THE USE OF MAGNETO-OPTICAL TARGET 13Q8894 (BEVATRON. S
WASILIK. 10/5/64, 2P)

BE0705 M3480 QB MAGNETS, COOLING REQUIREMENTS AND ORIFICE SELECTION (BEVATRON, EXPERIMENTAL
FACILITIES. V FLETCHER. 1/13/65, 3P)

BE0705 M3483 12 QB MAGNET ALIGNMENT (BEVATRON EXPERIMENTAL FACILITIES. V FLETCHER. 1/26/65,
2P)

BE0705 M3486 8 QB MAGNET ALIGNMENT (BEVATRON EXPERIMENTAL FACILITIES. V FLETCHER. 1/28/65,
2P)

BE0706 M3080 MOTOR-GENERATOR NO. 6 BEARING LUBRICATION INSTRUCTION (BEVATRON. H FALSTER.
6/20/63, 1P)

BE0706 M3349 8QB AND 12QB QUADRUPOLE MAGNET COST COMPARISON (BEVATRON. W EATON 6/22/64, 2P
UCID 2438)

BE0708 M3024 VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT.
4/10/63, 4P)

BE0708 M3102 VELOCITY SPECTROMETERS, 10-FOOT MAGNET (MARK V, 4-IN X 12-IN) (BEVATRON. H
HERNANDEZ. 7/16/63, 18P)

BE0708 M3324A TESTING OF GLASS FOR VOLUME RESISTIVITY AS A FUNCTION OF TEMPERATURE (BEVATRON VELOCITY SPECTROMETERS. D IJAMS. 5/4/64 R7/28/64, 6P UCID 2372)

BE0708 M3368A PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS (BEVATRON, G EDWARDS. 7/17/64, R12/21/64, 3P)

BE0708 M3472 VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P)

BE0709 M3004 OPERATING INSTRUCTIONS AND CHECK-LIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A GLICKSMAN. 3/21/63, 3P)

BE0709 M3055 OPERATING INSTRUCTIONS AND CHECK-LIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A GLICKSMAN. 5/15/63, 3P)

BE0709 M3151A 2000 P.S.I. METHANE COUNTER OPERATION CHECK-LIST AND PROCEDURE (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 9/27/63 R10/3/63, 5P)

BE0709 M3221 HYDROGEN GAS TARGET, OPERATION CHECK-LIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P)

BE0709 M3278 SPARK-CHAMBER PRESSURIZATION WITH NEON AND SULFUR-DIOXIDE (BEVATRON, MASEK UNIV. OF WASH. EXPERIMENT, FEBRUARY 19, 1964. F HUBAL. 3/9/64, 5P)

BE0709 M3355 HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECK-LIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P)

BE0709 M3356 150-PSI NITROGEN CERENKOV COUNTER, OPERATING CHECK-LIST (BEVATRON SLAC RESEARCH GROUP. J FIEDLER. 6/30/64, 3P)

BE0709 M3469 OPERATIONS CHECK-LIST AND PROCEDURES, METHANE COUNTERS 2000 P.S.I. AND 300 P.S.I. (BEVATRON EXPERIMENTAL FACILITIES, LOFGREN P-P INTERACTIONS EXPERIMENT. J FIEDLER. 12/18/64, 5P)

GROUP BE0800 BEVATRON EXTERNAL PROTON BEAM:

BE0801 M3127B EXTERNAL PROTON BEAM COST ESTIMATE SUMMARY 1/1/64 (PHASE IB AND IIC) (BEVATRON. D MORRIS. 8/13/63 R11/13/63 R2/3/64, 5P)

BE0802 M3020 MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS, C PIKE. 4/3/63, 24P)

LISTING BY NUMBER

BE0802 M3082 BEARING EVALUATION TEST (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. E HOYER. 1/20/61, 7P)

BE0803 M3016 M-4 MAGNET VACUUM TUBE STUDY (BEVATRON EXTERNAL PROTON BEAM VACUUM CHANNEL. A WATANABE. 3/28/63, 12P)

BE0804 M3094 M-3 V AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/8/63, 9P)

BE0804 M3103 AUXILIARY MAGNET M4, DESIGN OF YOKE LAMINATION BOLTS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/23/63, 15P UCID 2333)

BE0804 M3176A M-6 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 8/26/63 R3/3/64, 19P UCID 2336)

BE0804 M3177A M-5 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 11/7/63 R2/4/64, 32P)

BE0804 M3327 EXTERNAL BEAM DEFLECTION MAGNET POLARITY (BEVATRON, EXTERNAL PROTON BEAM. A LAKE. 5/6/64, 5P UCID 2337)

BE0804 M3490 M-4V MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 1/29/65, 11P)

BE0805 M3030 CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329)

BE0805 M3037 CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU SIA WALL AT BACK STOP. O CALLAHAN. 4/19/63, 8P UCID 2330)

BE0806 M3193 TESTING KLIXON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P)

BE0806 M3391 BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS (BEVATRON EXTERNAL PROTON BEAM. D MORRIS. 8/18-64, 1P UCID 2365)

GROUP BE0900 BEVATRON, INJECTOR-II:

BE0902 M3017 HIGH-VOLTAGE TERMINAL, INSTRUCTIONS FOR LOWERING AND RAISING SERVICING PLATFORM (BEVATRON INJECTOR II ION SOURCE. W EATON. 3/29/63, 1P)

BE0902 M3494 MG-SET REPLACEMENT AFTER ONE YEAR, PROCEDURE (BEVATRON INJECTOR II, ION SOURCE. F CROSBY. 2/5/65, 2P)

BE0903 M3028 REDUCTION OF VIBRATION CAUSED BY MG SET (BEVATRON INJECTOR II ION GUN HIGH-VOLTAGE TERMINAL. W EATON. 4/12/63, 3P)

BE0904 M3074 PROTON BUNCHER (BEVATRON INJECTOR II, ION GUN TO LINAC SECTION. R KILPATRICK. 5/24/63, 19P)

BE0905 M3001A EQUATIONS FOR 5831 REGULATING TUBE SHOCK ABSORBER (BEVATRON INJECTOR II. S JOHNSON. 3/11/63 R2/26/64, 4P)

BE0905 M3002 HEAT-TRANSFER CEMENTS, (COMPARISON OF SEVERAL) (BEVATRON INJECTOR II. S JOHNSON. 8/21/61, 2P)

BE0905 M3006 CONTROLLED-TEMPERATURE WATER-SYSTEM CALIBRATION DATA (BEVATRON INJECTOR II. S JOHNSON. 2/21/63, 3P)

BE0905 M3043 DRIFT-TUBE QUADRUPOLE MAGNETS EFFECTIVE LENGTH AND NONLINEARITY (BEVATRON INJECTOR II LINAC. R MEUSER. 5/7/63, 4P)

BE0905 M3091 DRIFT-TUBE MAGNET COIL CORROSION RATE TEST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/8/63, 3P)

BE0905 M3098 THE DALL-TUBE FLOW INTERLOCK (A FIRST LOOK) (BEVATRON INJECTOR II S JOHNSON. 7/18/63, 4P)

BE0905 M3108 COOLING-SYSTEM MAINTENANCE CHECKLIST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/23/63, 7P)

BE0905 M3116 LINAC SUPPORT STANDS, STRESS ANALYSIS (BEVATRON INJECTOR II. R MEUSER. 8/9/63, 12P)

BE0905 M3124 OPERATION OF MAGNA DISSOLVED OXYGEN-CONTENT METER (BEVATRON INJECTOR II. S JOHNSON. 8/22/63, 2P)

BE0905 M3214 LINAC DRIFT-TUBE MAGNETS, DRAWING NUMBERS (BEVATRON INJECTOR II. M FLEMING. 12/18/63, 1P)

BE0905 M3215 INDEX TO BEVATRON LINAC ENGINEERING NOTES (BEVATRON INJECTOR II. R KILPATRICK. 12/18/63, 1P)

BE0905 M3346A MULTI-ORIFICE FOR FLOW SWITCH, DESIGN AND FLOW CHECK (BEVATRON INJECTOR II LINAC. W EATON. 6/18/64 R1/12/64, 3P UCID 2411)

BE0905 M3351 FLOW SWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P)

BE0905 M3366 RADIO-FREQUENCY RESISTIVITY OF ROUGH OFHC COPPER AT 140 MC (BEVATRON, INJECTOR II. W FISHER, R NICKERSON. 8/30/62, 6P)

BE0905 M3400 DRIFT-TUBE REMOVAL AND REPLACEMENT PROCEDURE (BEVATRON INJECTOR II, LINAC. F CROSBY. 8/31/64, 2P)

BE0906 M3003 BEAM PATTERN DEVICE, SOME PRELIMINARY CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 3/13/63, 6P)

BE0906 M3013 MAGNET LIFTING FIXTURE CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 5/10/62, 3P)

BE0906 M3022 PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F CORSBY. 4/1/63, 5P)

BE0906 M3057 STEERING MAGNET III (BEVATRON INJECTOR II. R KILPATRICK. 5/21/63, 6P UCID 2332)

BE0907 M3005 BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 4P)

BE0907 M3010 MAGNETIC FORCES ON IM-3 POWER CABLES (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 1P)

BE0907 M3118A ALTERNATIVES SHOULD THE INFLECTOR MAGNET COIL IM-3 BECOME INOPERATIVE (BEVATRON INJECTOR II. S JOHNSON. 8/19/63 R8/26/63, 2P)

BE0907 M3131 METHOD OF RAISING OR LOWERING THE INJECTED PROTON BEAM BETWEEN I-M 1 AND I-M 2 MAGNETS (BEVATRON INJECTOR II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/14/63, 3P)

BE0907 M3132 CALCULATIONS INVOLVING THE VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT I-M 2 MAGNET (BEVATRON INJECTOR II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/12/63, 11P)

BE0907 M3420B INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P)

GROUP BE1100 BEVATRON, SHIELDING AND SUPPORT STRUCTURES:

BE1130 M3040 SPREADER-BAR ASSEMBLY STRESSES (BEVATRON SHIELDING. D MORRIS. 5/7/63, 4P)

BE1130 M3041 BLOCK LIFTING FIXTURE STRESSES (BEVATRON SHIELDING. D MORRIS. 5/2/63, 9P)

BE1130 M3073 CONCRETE SHIELDING-BLOCK (WEIGHT AND VOLUME RECAPITULATION) (BEVATRON. W SALSIG. 6/10/63, 1P)

BE1130 M3075 SUMMARY OF FIELD INSPECTION OF SHIELDING BLOCKS (BEVATRON-SHIELDING. R MILLER. 6/14/63, 3P)

BE1130 M3076 HIPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS (BEVATRON. J OORT. 1/10/63, 14P)

BE1130 M3077 SHIELDING STEEL STORED ON BLACKBERRY CANYON ROAD (BEVATRON. J OORT. 2/11/63, 13P)

BE1130 M3460 DESIGN OF TANGENT CENTER BOTTOM SHIELDING BLOCKS, (TR-6, TR-7, TR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 21P)

BE1130 M3461 DESIGN OF QUADRANT END 2-DEG BOTTOM SHIELDING BLOCK, (QR-7) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 25P)

BE1130 M3462 DESIGN OF QUADRANT END 2-DEG TOP SHIELDING BLOCK, (QR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 18P)

BE1130 M3504 SHIELDING STEEL PLATE IN STORAGE (BEVATRON. V FLETCHER. 2/19/65, 34P UCID 2478)

GROUP BE1200 BEVATRON MAGNET CORE.:

BE1201 M3286 MAGNET SURVEY COMPUTER PROGRAM (BEVATRON MAGNET CORE. J WALTER. 3/11/64, 11P)

BE1201 M3338 DIMENSIONAL VARIATIONS OF TRANSITION TANK AND TANGENTIAL BRACE (AT SOUTH END OF EAST TANGENT TANK AS OF OCTOBER 1962) (BEVATRON. R EDWARDS. 6/10/64, 3P)

BE1201 M3448 MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)

BE1210 M3042 DESIGN AND TEST OF 3-SECTOR STAINLESS-STEEL STANCHION, (QUADRANT II, 89-DEG AREA) (BEVATRON. A GLICKSMAN, H GRUNDER. 5/6/63, 24P)

GROUP BE1300 BEVATRON MAGNET COIL:

BE1305 M3089 MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III. A GLICKSMAN. 3/19/56 ISSUED 6/25/63, 54P)

GROUP BE1400 BEVATRON MAGNET POWER-SUPPLY:

BE1401 M3362A MOTOR-GENERATOR-SET NATURAL FREQUENCY CALCULATIONS (BEVATRON, MAGNET POWER SUPPLY. S JOHNSON. 7/7/64 R7/13/64, 6P)

GROUP BE1800 BEVATRON VACUUM ENVELOPE:

BE1805 M3272 DESIGN OF VACUUM GATE VALVE (BEVATRON, BEAM EXIT, QUADRANT II, 89-DEG AREA. A GLICKSMAN. 8/15/63, 9P)

BE1805 M3287 EXTENSION VACUUM TANK (BEVATRON BEAM EXIT - QUADRANT II - 89-DEG AREA. A GLICKSMAN. 7/23/63, 4P)

BE1805 M3372 MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P)

GROUP CA0100 184-IN CYCLOTRON, GENERAL:

CA0100 M3165B PROPOSED ACCELERATOR IMPROVEMENTS (FOR FY 1964) (184-INCH CYCLOTRON. L GLASGOW. 10/18/63 R11/1/63 R1/3/64, 11P)

CA0100 M3300 CENTER REGION STUDIES COST ESTIMATE (184-INCH CYCLOTRON PROPOSED IMPROVEMENTS. J VALE, K CROWE, R BURLEIGH. 4/10/64, 2P)

CAG100 M3313 PROPOSED ACCELERATOR IMPROVEMENTS (PRELIMINARY FY 1965) (184-INCH CYCLOTRON. J VALE, L GLASGOW. 4/21/64, 1P)

CA0100 M3314 PROPOSED ACCELERATOR IMPROVEMENTS, (FY 1966, PRELIMINARY) (184-INCH CYCLOTRON. L GLASGOW. 4/20/64, 3P)

CA0100 M3512 PROPOSED ACCELERATOR IMPROVEMENTS (FY 1967. 184-INCH CYCLOTRON. L GLASGOW. 3/8/65, 4P)

CA0101 M3019 MD SERIES SHIELDING BLOCK INDEX (184-INCH CYCLOTRON. W BRUNK. 4/5/63, 1P)

CA0101 M3032 300-LBS CF CONCRETE SHIELDING BLOCK COSTS (184-INCH CYCLOTRON. W BRUNK.
4/15/63, 2P)

GROUP CA0200 184-IN CYCLOTRON, IMPROVEMENTS:

CA0200 M3474 KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS, TEST PROCEDURE (184-INCH
CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS. L GLASGOW. 1/4/65, 3P)

CA0202 M3031A PHYSICS CAVE SHIELDING, INCREMENT I COST REASSESSMENT (184-INCH CYCLOTRON
ACCELERATOR IMPROVEMENTS. A DANCOSSE. 4/17/63 R4/25/63, 4P)

CA0202 M3125 SHIELDING BLOCKS FOR PHYSICS CAVE (184-INCH CYCLOTRON. IMPROVEMENTS. A
DANCOSSE. 8/7/63, 1P)

CA0202 M3126 SAFETY FACTOR FOR LIFTING LINKS (184-INCH CYCLOTRON, IMPROVEMENTS. A DANCOSSE.
8/27/63, 1P)

CA0202 M3142A PHYSICS CAVE SHIELDING COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR
IMPROVEMENTS. A DANCOSSE. 9/3/63 R10/24/63, 2P)

CA0202 M3146 USED STEEL PLATE FOR SHIELDING (184-INCH CYCLOTRON. A DANCOSSE. 9/25/63, 1P)

CA0202 M3222 PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE.
11/11/63, 2P)

CA0202 M3223 PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE.
11/21/63, 4P)

CA0202 M3353A FORCE REQUIRED TO MOVE MAGNET TURNTABLE (184-INCH CYCLOTRON, PHYSICS CAVE
SHIELDING. A DANCOSSE. 6/24/64 R8/3/64, 2P)

CA0203 M3245 STEEL PLATE SHIELDING (184-INCH CYCLOTRON. A DANCOSSE. 1/17/64, 3P)

CA0203 M3325 SHIELDING BLOCKS, NUMBERING-SYSTEM (REVISED) (184-INCH CYCLOTRON. A DANCOSSE.
4/29/64, 4P)

CA0206 M3477 MAIN PROBE, BEAM CLIPPER, FUNCTION AND INSTALLATION PROCEDURE (184-INCH
CYCLOTRON, CENTRAL AREA STUDIES. L GLASGOW. D ROTHFUSS. 1/8/65, 5P)

GROUP CA0300 184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT.:

CA0303 M3081 CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE MAGNET TRIPLET (184-INCH
CYCLOTRON. W BRUNK. 6/20/63, 5P)

CA0303 M3086 FLOW SWITCH FOR 16-32-16-12-INCH DIAMETER QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/24/63, 2P)

GROUP CB0100 88-IN CYCLOTRON, MECHANICAL:

CB0100 M3428 BID COSTS ON MAJOR MECHANICAL COMPONENTS (88-INCH CYCLOTRON. R BURLEIGH. 10/15/64, 4P UCID 2383)

CB0101 M3122 A METHOD FOR SHAPING THE 88-INCH CYCLOTRON MAGNETIC FIELD FOR ISOCHRONOUS ACCELERATION (88-INCH CYCLOTRON. F SELPH. 8/12/63, 22P UCID 1983)

CB0103 M3250 POWER-SUPPLIES, COOLING (88-INCH CYCLOTRON, MAGNET TRIMMING COILS D VORKOEPEP. 1/29/64, 2P)

CB0103 M3399 COST ESTIMATE FOR DEMONSTRATION OF COMPUTER CONTROL OF ADJUSTMENTS (88-INCH CYCLOTRON, MAGNET TRIMMING COILS. S JOHNSON. 8/31/64, 2P UCID 2402)

CB0112 M3296 DEE COOLING AND STRUCTURAL CALCULATIONS (88-INCH CYCLOTRON. J HAUGHIAN. 4/8/64, 19P)

CB0112 M3303 TEMPERATURE-DROP BETWEEN HEATED SHEET AND COOLING TUBE (88-INCH CYCLOTRON DEE. J HAUGHIAN. 4/10/64, 2P)

CB0112 M3379 SPARE DEE DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64, 3P UCID 2378)

CB0120 M3255 TITANIUM SUBLIMATION VACUUM PUMP (88-INCH CYCLOTRON. D ELO. 1/28/64, 6P)

CB0121 M3285 HISTORY OF REPAIRS TO LEAKS IN MAIN VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. J HART. 3/19/64, 6P)

CB0121 M3359 INVESTIGATION OF PERMATHEX NO. 2 SEALING COMPOUND AS VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. D VORKOEPEP. 7/3/64, 2P UCID 2403)

CB0125 M3213 WATER COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P)

CB0125 M3380A DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON REGENERATIVE DEFLECTION SYSTEM. R BURLEIGH. 7/29/64 R9/3/64, 5P UCID 2379)

CB0130 M3059 ION SOURCE ANODE POSITION (88-INCH CYCLOTRON. J HAUGHIAN. 5/24/63, 1P UCID 2230)

GROUP CB0200 88-IN CYCLOTRON, ACCESSORY EQUIPEMNT.:

CB0200 M3185 CAVE VACUUM PREDICTED ROUGHING TIME (88-INCH CYCLOTRON, EXPERIMENTAL EQUIPMENT BEAM TUBES. R PETERS, T HENDERSON. 11/14/63, 7P)

CB0200 M3311 ACCELERATOR IMPROVEMENTS, BUDGET SUBMISSION (FY 66) (88-INCH CYCLOTRON. H GRUNDER, R BURLEIGH. 4/20/64, 2P)

CB0200 M3312 ACCELERATOR IMPROVEMENTS, (FOR FY 65, PROPOSED) (88-INCH CYCLOTRON. H GRUNDER, R BURLEIGH. 4/20/64, 2P)

CB0201 M3316 CAVE I BENDING MAGNET DESIGN CALCULATIONS (88-INCH CYCLOTRON. B MORGAN, R PETERS. 11/19/63, 10P)

CB0201 M3363 BEAM ANALYSIS-SYSTEM, FACTORS AFFECTING ENERGY RESOLUTION (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/10/64, 13P, UCID 2404)

CB0201 M3370 BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405)

CB0201 M3438 BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64 8P)

GROUP CB0300 88-IN CYCLOTRON, GENERAL:

CB0301 M3166C ACCELERATOR IMPROVEMENTS (FOR FY 64, PROPOSED) (88-INCH CYCLOTRON. H GRUNDER, J HAUGHIAN, W DEXTER, R BURLEIGH, N GOODHUE. 10/21/63 R11/4/63 R11/15/63 R2/21/64, 8P)

GROUP HD0100 72-IN HYDROGEN BUBBLE-CHAMBER:

HD0102 M3052 NEW BUBBLE-CHAMBER BODY, COST AND TIME ESTIMATE (72-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ, F BARRERA. 5/10/63, 3P UCID 1901)

HD0102 M3054 NEW BUBBLE-CHAMBER BODY, STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 4/2/63, 32P UCID 1902)

HD0102 M3060 NEW VACUUM TANK STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 5/24/63, 9P UCID 1905)

HD0102 M3087 NEW BUBBLE-CHAMBER BODY ADDITIONAL STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 6/26/63, 16P UCID 1936)

HD0102 M3410 NEW BUBBLE-CHAMBER BODY STRESS ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P)

HD0102 M3427 NEW BUBBLE-CHAMBER BODY STRESS ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P)

GROUP HE0100 25-IN HYDROGEN BUBBLE-CHAMBER:

HE0102 M3224 MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER. V KOPYTOFF. 1/6/64, 6P)

HE0102 M3233 MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P)

HE0103 M3101 DETERMINATION OF FINAL GASKET BEARING PAD DIMENSIONS (25-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 7/19/63, 13P)

HE0103 M3168A LOCATION OF BOTTOM BUBBLE-CHAMBER GLASS AT ROOM-TEMPERATURE (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/21/63 R10/23/63, 3P)

HE0103 M3232 STRESS CALCULATIONS, BUBBLE-CHAMBER BODY AND WINDOWS (25-INCH BUBBLE CHAMBER. J MYALL. 9/18/63, 49P UCID 2071)

HE0105 M3149 HANDLING AND CLEANING OF COATED OPTICS (25-INCH HYDROGEN BUBBLE CHAMBER, CAMERA OPTICS. D NORRGREN. 9/25/63, 1P)

HE0106 M3171 BUBBLE-CHAMBER THERMOCOUPLE LOCATION, (FIRST RUN) (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/24/63, 1P)

HE0106 M3290 BUBBLE-CHAMBER MULTIPULSING TEST DURING ENGINEERING RUN, NOVEMBER 1963 (25-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ. 4/1/64, 1P UCID 2157)

HE0106 M3386 HEATING AND COOLING OF LARGE OPTICAL GLASS PARTS (25-INCH HYDROGEN BUBBLE CHAMBER. D NORRGREN. 8/11/64, 3P)

GROUP LA0100 HEAVY-ION ACCELERATOR:

LA0100 M3167B ACCELERATOR IMPROVEMENTS (FOR FY 1964, PROPOSED) (HEAVY ION ACCELERATOR. E HUBBARD, F VOELKER, E HOYER, R BURLEIGH. 10/21/63 R11/5/63 R1/22/64, 12P)

LA0100 M3262 COST ESTIMATES FOR PROPOSED TARGET AREAS (HEAVY ION ACCELERATOR, PROPOSED IMPROVEMENTS. E HOYER. 2/17/64, 3P)

LA0101 M3067 PULSE-LINE IGNITRON TEMPERATURE CONTROL-SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E HOYER. 5/31/63, 3P)

LA0101 M3100 PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRE-STRIPPER STEM CLAMPS (HEAVY ION ACCELERATOR. E HOYER. 7/19/63, 2P)

LA0102 M3025 BRUTUS STEERING MAGNET, COST SUMMARY (HEAVY ION ACCELERATOR. R HINTZ. 4/12/63, 2P)

LA0102 M3084 CW BUNCHER, COOLING CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 6/25/63, 7P)

LA0102 M3140B 20 AND 40 GPM FLOWSWITCH DESIGN (HEAVY ION ACCELERATOR, CW DRIVER. E HOYER. R11/17/63, 5P)

LA0102 M3141 CW DRIVER TUBE AND GRID CONDENSER COOLING (HEAVY ION ACCELERATOR. E HOYER. 6/26/63, 9P)

LA0102 M3189 ONE-HALF INCH WATER FLOW SWITCH (HEAVY ION ACCELERATOR, 88-INCH CYCLOTRON. E HOYER. 11/20/63, 6P)

LA0102 M3196 70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J TURNER. 11/20/63, 6P)

LA0102 M3280 WEATHERHEAD H-9 HOSE AND BARB VARIATIONS TO ALLOW EASY ASSEMBLY AND LEAK TIGHTNESS (HEAVY ION ACCELERATOR. R PARSONS. 3/10/64, 1P)

LA0102 M3330 BASEMENT SLIDING STEEL DOOR, DESIGN CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 5/19/64, 3P)

LA0102 M3430 DE-SPIKER RESISTOR (HEAVY ION ACCELERATOR. J HAUGHIAN. 10/16/64, 3P)

LA0102 M3424A BETA RAY SPECTROMETER SOLENOID COIL ASSEMBLY (HEAVY ION ACCELERATOR NEW EQUIPMENT AND COMPONENTS. J HAUGHIAN. 10/13/64 R1/7/65, 6P)

LA0102 M3491 CUPID 2 1/4-IN DIA QUADRUPOLE MAGNET, COIL POTTING (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 1/29/65, 2P)

LA0103 M3083 HOSE CONNECTION ADHESIVE TEST (HEAVY ION ACCELERATOR, IGNITRON TEMPERATURE CONTROL SYSTEM, INSULATING WATER COIL. E HOYER. 6/25/63, 3P)

LA0103 M3334 FLOW SWITCH DESIGN UTILIZING DIFFUSER RECOVERY (HEAVY ION ACCELERATOR. E HOYER. 5/26/64, 19P)

LA0103 M3354 COOLING POST-STRIPPER DRIFT-TUBE STEM BELLOWS (HEAVY ION ACCELERATOR. E HOYER, R BYRNS, R PARSONS. 6/29/64, 23P)

LA0105 M3064 36-PCT-DUTY-FACTOR-OPERATION AND 100-PCT-DUTY-FACTOR-OPERATION AT 1.3-MEGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/14/63, 11P)

LA0105 M3065 18-PCT-DUTY-FACTOR-OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P)

LA0105 M3066 100-PCT-DUTY-FACTOR-OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P)

LA0105 M3069 4-1/2-PCT-DUTY-FACTOR-OPERATION, DRIFT-TUBE STEM AND SHELL COOLING REQUIREMENTS (HEAVY ION ACCELERATOR. E HOYER. 4/13/62, 10P)

LA0105 M3070 MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P)

LA0105 M3097 COOLING WATER FLOW REQUIREMENTS FOR TUNING LOOPS (HEAVY ION ACCELERATOR, 100-PCT-DUTY-FACTOR-OPERATION. E HOYER. 7/16/63, 2P)

LA0105 M3128 STEEL SHIELDING (REQUIRED FOR 100-PCT DUTY FACTOR) (HEAVY ION ACCELERATOR. E HOYER. 8/30/63, 2P)

LA0105 M3150 100-PCT-POWER, STEEL SHIELDING, SIZES FOR ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 9/18/63, 2P UCID-1994)

LA0105 M3328 EARTHQUAKE STABILITY CALCULATIONS FOR SUBSTATION EQUIPMENT (HEAVY ION ACCELERATOR. E HOYER. 4/7/64, 2P)

LA0105 M3487 POSTSTRIPPER DRIFT TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T HENDERSON. 1/27/65, 2P)

LA0106 M3375 SHIELDING FOR 100-PCT-LOAD-FACTOR, COST ESTIMATE (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/28/64, 3P)

LA0106 M3376 SHIELDING FOR 100-PCT-LOAD-FACTOR COST ESTIMATE FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 3P)

LA0106 M3378 SHIELDING FOR 100-PCT-LOAD-FACTOR, 3-IN THICK STEEL PLATES REQUIRED FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 1P)

LA0107 M3395 EXTRA COOLING FOR HEADS AND HALF DRIFT-TUBES (HEAVY ION ACCELERATOR. W BRUNK. 8/19/64, 7P)

LA0107 M3409 PRESTRIPPER TANK GRILL COOLING REQUIREMENTS AT 100-PCT-DUTY-CYCLE (HEAVY ION ACCELERATOR. J SATTI. 9/9/64, 18P)

LA0107 M3415 PRE-STRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY ION ACCELERATOR. R BYRNS. 7/21/64, 17P)

LA0107 M3417 HEAT LOADS AND COOLING WATER REQUIREMENTS (HEAVY ION ACCELERATOR PRE AND POST STRIPPER COOLING. R BYRNS. 7/24/64, 2P)

LA0107 M3463 COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P)

LA0107 M3464 COOLING WATER FLOW ANALYSIS OF POST-STRIPPER TANK (HEAVY ION ACCELERATOR. J SATTI. 12/14/64, 17P)

LA0107 M3465 STRESS ANALYSIS OF POST-STRIPPER TANK WITH THE NEW WATER JACKET COOLING-SYSTEM (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 31P)

LA0107 M3466 TEMPERATURE DIFFERENCE BETWEEN THE COOLING WATER AND THE INSIDE OF THE TANK WALL (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 21P)

GROUP PC0100 PROPANE BUBBLE CHAMBERS:

PC0101 M3282 HYPERFRAGMENT EXPERIMENT, SAFETY OF EQUIPMENT AND INSTALLATION (30-INCH PROPANE CHAMBER. V KOPYTOFF. 3/16/64, 2P)

GROUP RA0200 INORGANIC MATERIALS RESEARCH:

RA0200 M3274 MECHANICAL ENGINEERING ASSISTANCE, STATUS REPORT-I (INORGANIC-MATERIALS-RESEARCH. G BEHRING. 3/3/64, 7P)

RA0200 M3318 MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P)

RA0200 M3404 MOLECULAR BEAM REACTION CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G BEHRING. 9/4/64, 3P)

RA0201 M3266 CURRENT CARRYING CAPACITY OF SEVERAL UCLRL TUBING FITTINGS (INORGANIC MATERIALS RESEARCH, SEARCY, HIGH TEMPERATURE CHEMISTRY. G BEHRING. 2/19/64, 5P)

RA0203 M3147 NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING, H MASECK. 9/16/63, 23P UCID 1988)

RA0203 M3161 COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF SOLIDS. G BEHRING. 10/9/63, 3P)

RA0203 M3335 DISPERSIVE POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS (INORGANIC MATERIALS RESEARCH LOW-TEMPERATURE PROPERTIES OF MATERIALS. D NORGREN. 7/30/64, 3P UCID 2340)

RA0204 M3099 RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P)

RA0204 M3114 SAFETY ASPECTS OF THE HYDROGEN SPARK-CHAMBER (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 8/7/63, 13P)

RA0204 M3121 INHOMOGENEOUS DEFLECTING MAGNET CALCULATIONS (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC. S JOHNSON. 6/11/63, 9P)

GROUP RB0100 BIOLOGY AND MEDICINE RESEARCH:

RB0101 M3029 WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 4/1/63, 13P)

RB0101 M3231 WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH. INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 1/4/64, 3P)

RB0101 M3413 WHOLE-BODY SCANNER MARK-II (BIOLOGY AND MEDICINE RESEARCH MEDICAL ACCELERATOR STUDY. R UPHAM, N YANNI. 10/1/64, 2P)

RB0108 M3129 COST ESTIMATE BASED ON 1/8 SIZE MODEL (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS. ISAH. L GLASGOW. 8/30/63, 1P)

RB0108 M3297 184-IN CYCLOTRON ALPHA BEAM STABILITY STUDY (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 2/10/64, 8P)

RB0108 M3301 PATIENT POSITIONER PRELIMINARY PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW, N YANNI. 4/9/64, 13P)

RB0108 M3307 FINAL PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW. 4/15/64, 7P)

RB0108 M33088 PATIENT POSITIONER DESIGN AND DEVELOPMENT (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 4/15/64 R5/8/64 R6/1/64, 3P)

RB0108 M3323 ADDITIONAL PROPOSAL AND COST ESTIMATE (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 5/4/64, 3P)

RC0100 M3218 FOIL ROLLING MILL DESIGN CALCULATIONS (CHEMISTRY RESEARCH, 88-IN CYCLOTRON NUCLEAR REACTIONS GROUP. J WAGNER. 12/17/63, 17P)

RC0100 M3350A ULTRA-HIGH VACUUM DESIGN CRITERIA (CHEMISTRY RESEARCH. R REIMERS. 6/19/64 R6/29/64, 1P UCID 2279)

GROUP RC0100 CHEMISTRY RESEARCH:

RC0101 M3063 FIELD-FREE LABORATORY SPECTROMETER IMPROVEMENT, (PROGRESS MEETING) (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 5/28/63, 2P)

RC0101 M3096 MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P)

RC0101 M3119 IMPROVED TEMPERATURE REGULATION FOR SPECTROMETER (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 8/12/63, 15P)

RC0101 M3038 A SENSITIVE TEMPERATURE DEVIATION DETECTOR (CHEMISTRY RESEARCH BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 3/25/63, 6P)

RC0101 M3203 FIELD-FREE LABORATORY CHILLER MODIFICATION (CHEMISTRY RESEARCH BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 12/5/63, 2P)

RC0102 M3392 RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P)

RC0102 M3411A TEMPERATURE DISTRIBUTION IN PROPOSED COMPENSATING MAGNET (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 9/8/64 R1/25/65, 17P.)

RC0102 M3435 LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRING. 10/23/64, 3P)

RC0102 M3458 LIQUID HELIUM COOLED TEST CHAMBER AND EXPERIMENT (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 12/4/64, 7P UCID 2436)

RC0102 M3473 SUPERCONDUCTING SOLENOID, COIL DESIGN AND CALCULATIONS (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/4/65, 8P UCID 2443)

RC0102 M3476 SUPERCONDUCTING SOLENOID, EFFECTS OF FLUX JUMPS (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/6/65, 10P UCID 2444)

RC0102 M3479 SUPERCONDUCTING SOLENOID, HEATING OF COPPER CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/11/65, 20P UCID 2446)

RC0102 M3496 COMPENSATING MAGNET DESIGN (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 2/3/65, 11P UCID 2458)

RC0103 M3007 ISOTOPE SEPARATOR BAKING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 4P)

RC0103 M3008 STABILITY OF A CART WITH CASTERS (CHEMISTRY RESEARCH CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 1P)

RC0103 M3015 GLOW DISCHARGE CLEANING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/25/63, 4P)

RC0103 M3023 ION SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/12/63, 2P)

RC0103 M3034 DEPENDENCE OF RADIATION HEAT-TRANSFER ON HEAT SHIELD SPACING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/23/63, 2P)

RC0103 M3039 ION SOURCE, NON-IONIZED GAS FLOW (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 5/3/63, 6P)

RC0103 M3044 ION SOURCE, GASEOUS HEAT CONDUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/30/63, 7P)

RC0103 M3049 MACHINE INSTALLATION, VISIBILITY OF MACHINE COMPONENTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/9/63, 3P)

RC0103 M3051A MACHINE INSTALLATION, REINFORCEMENT OF FLOOR FOR ADDITIONAL LOADING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/15/63 R7/3/63, 3P)

RC0103 M3056 FOUR-POINT VERSUS THREE-POINT FLOOR LOADING FOR TRAVELING MAGNET (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/20/63, 4P)

RC0103 M3058 MACHINE INSTALLATION BUILDING-70, COST ESTIMATE OF BUILDING MODIFICATION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/22/63, 1P)

RC0103 M3090 MACHINE INSTALLATION BUILDING-70, (GENERAL PROBLEM STATEMENT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 7/3/63, 6P)

RC0103 M3092 DESCRIPTION OF CONSTRUCTION ACCOUNTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R HINTZ. 7/9/63, 16P)

RC0103 M3153 ION SOURCE PROBE MANIPULATION MECHANISM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. J WAGNER. 9/26/63, 2P)

RC0103 M3182 MACHINE INSTALLATION BUILDING 70, (WEIGHT OF ENTIRE PROJECT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R ESCOBALES. 11/8/63, 4P)

RC0103 M3204 CONSULTATION TRIP TO WESTERN-GOLD-AND-PLATINUM-COMPANY ON ALUMINA PART DESIGN AND PRODUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 12/6/63, 2P)

RC0103 M3305 ION VACUUM PUMP CHARACTERISTICS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/14/64, 2P UCID 2183)

RC0103 M3309 STAINLESS-STEEL HIGH VACUUM GATE VALVES, (SPECIFICATION AND PROCUREMENT OF) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/17/64, 2P UCID 2206)

RC0103 M3505 CASCADE ISOTOPE SEPARATOR, PROGRESS REPORT NUMBER 10 (CHEMISTRY RESEARCH. R REIMERS. 2/26/65, 1P)

RC0106 M3157 ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P)

GROUP RC0500 BIO-ORGANIC CHEMISTRY RESEARCH:

RC0500 M3439 GEMS PS-900 FLOW SWITCH CALIBRATION (BIO-ORGANIC CHEMISTRY LEMMON C-14 ISOTOPE SEPARATOR SOURCE. G BEHRING. 10/28/64, 1P)

RC0501 M3152

OPTICAL BENCH RIGIDITY (BIO-ORGANIC CHEMISTRY MAGNETO-OPTICAL ROTATION APPARATUS. V KOPYTOFF. 9/27/63, 5P)

GROUP RP0100 PHYSICS RESEARCH, GENERAL:

RP0101 M3429

KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPEP. 10/14/64, 1P)

RP0101 M3454

PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH. D VORKOEPEP. 12/3/64, 1P)

RP0101 M3456

FLATTENING OF STEEL PLATES BY GRINDING (MOYER BEVATRON RUN, GAMMA SPARK CHAMBER. R PETERS. 11/13/64, 6P)

RP0101 M3493

PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)

RP0101 M3495

PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SPARK CHAMBER SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)

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MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. V KOPYTOFF. 5/16/63, 7P)

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STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. D NORRGREN. 9/2/64, 2P UCID 2351)

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RP0103 M3445

MERCURY AMALGAM SOLDERING (PHYSICS RESEARCH, ALVAREZ GROUP. K MCCARRON. 10/30/64, 1P UCID 2412)

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MUSIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLES, A VIEGELMAN. 9/21/64 2P UCID 2420)

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ABSORBER	EQUATIONS FOR 5831 REGULATING TUBE SHOCK ABSORBER (BEVATRON INJECTOR II. S JOHNSON. 3/11/63 R2/26/64, 4P)	BE0905 M3001A
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ACCELERATOR	ACCELERATOR IMPROVEMENTS, (FOR FY 65, PROPOSED) (88-INCH CYCLOTRON. H GRUNDER, R BURLEIGH. 4/20/64, 2P)	CB0200 M3312
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ACCELERATOR	PROPOSED ACCELERATOR IMPROVEMENTS (FOR FY 1964) (184-INCH CYCLOTRON. L GLASGOW. 10/18/63 R11/1/63 R1/3/64, 11P)	CA0100 M3165B
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ACCELERATOR	PROPOSED ACCELERATOR IMPROVEMENTS (PRELIMINARY FY 1965) (184-INCH CYCLOTRON. J VALE, L GLASGOW. 4/21/64, 1P)	CA0100 M3313
ACCELERATOR	VISIT TO STANFORD LINEAR ACCELERATOR (TRIP REPORT. R MEUSER. 10/28/63, 3P)	AA0102 M3173
ACCEPTABILITY	TRACING VELLUM TESTS FOR ACCEPTABILITY (P BEAN. 1/20/65, 2P)	SPEC. M377
ACCEPTANCE	ELECTRIC HOIST ACCEPTANCE TEST AND A FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P)	BE0610 M3289A
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ACCESS	SHIELDING FOR NEUTRON ATTENUATION IN THE MAJOR EQUIPMENT ACCESS (ADVANCED ACCELERATOR. J. SATTI. 3/11/65, 2P)	AC1200 M3514
ACCIDENT	ACCIDENT WITH SWAGELOCK CAP (HYDROGEN SAFETY COMMITTEE. R BYRNS, F BARRERA. 3/2/64, 2P)	AA0300 M3277
ACCOUNTS	DESCRIPTION OF CONSTRUCTION ACCOUNTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R HINTZ. 7/9/63, 16P)	RC0103 M3092
ACTUATORS	MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS, C PIKE. 4/3/63, 24P)	BE0802 M3020
ADAPTER	BLOCK LIFTING FIXTURE ARMS, ADAPTER AND 1-1/2-IN DIAMETER PIN (BEVATRON. S WORTMAN. 11/18/63, 3P)	BE0610 M3186
ADHESIVE	HOSE CONNECTION ADHESIVE TEST (HEAVY ION ACCELERATOR, IGNITRON TEMPERATURE CONTROL SYSTEM, INSULATING WATER COIL. E HOYER. 6/25/63, 3P)	LA0103 M3083
ADHESIVE	PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SPARK CHAMBER SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPEL. 2/4/65, 1P)	RP0101 M3495
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ADJUSTMENTS	ADJUSTMENTS AND ALTERATIONS TO THE TOWER-4 LOW-CONDUCTIVITY WATER-SYSTEM AND LOADS (BEVATRON. W EATON. 8/2/63, 3P)	BE0104 M3112
ADJUSTMENTS	COST ESTIMATE FOR DEMONSTRATION OF COMPUTER CONTROL OF ADJUSTMENTS (88-INCH CYCLOTRON, MAGNET TRIMMING COILS. S JOHNSON. 8/31/64, 2P UCID 2402)	CB0103 M3399
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ADVANCED-ACCELERATOR	ADVANCED ACCELERATOR, MAIN VACUUM-SYSTEM	GROUP AC0800
ADVANCED-ACCELERATOR	ADVANCED ACCELERATOR, EXTRACTED BEAMS AND TARGETS	GROUP AC1000
ADVANCED-ACCELERATOR	ADVANCED ACCELERATOR, OVERALL ENGINEERING STUDIES	GROUP AC0100
ADVANCED-ACCELERATOR	ADVANCED ACCELERATOR, LINAC INJECTOR	GROUP AC0200
ADVANCED-ACCELERATOR	ADVANCED ACCELERATOR, SYNCHROTRON INJECTOR	GROUP AC0300
ADVANCED-ACCELERATOR	ADVANCED ACCELERATOR, MAIN RING STRUCTURE	GROUP AC0400
ADVANCED-ACCELERATOR	ADVANCED ACCELERATOR, EXPERIMENTAL AREAS	GROUP AC1100
ADVANCED-ACCELERATOR	ADVANCED ACCELERATOR, SHIELDING AND PERSONNEL PROTECTION.	GROUP AC1200
AIR	COOLING OF FERRITE IN RF CAVITIES BY FORCED AIR (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, RF SYSTEM. R WOLGAST. 7/29/64, 15P)	AC0304 M3381
AIR	MEASURING PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P)	RP0103 M3405

AIR	NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING, H MASECK. 9/16/63, 23P UCID 1988)	RA0203 M3147
AIR	PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P)	AA0113 M3110
AIR	RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P)	RA0204 M3099
AIR-LOCK	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K STONE, D VANECEK. 9/13/63, 6P)	BE0702 M3138
ALIGNMENT	ALIGNMENT TELESCOPE BRACKET (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLLES. 9/11/64, 4P UCID 2380)	AA0901 M3423
ALIGNMENT	AN ECONOMICAL METHOD FOR MONITORING MAGNET ALIGNMENT DURING OPERATION (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 1/23/64, 10P)	AC0508 M3237
ALIGNMENT	LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRING. 10/23/64, 3P)	RC0102 M3435
ALIGNMENT	MAGNET ALIGNMENT BY OPTICAL TOOLING (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLLES. 10/1/64, 10P UCID 2418)	AA0901 M3441
ALIGNMENT	MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLLES, A VIEGELMAN. 9/21/64 2P UCID 2420)	RP0104 M3443
ALIGNMENT	12 QB MAGNET ALIGNMENT (BEVATRON EXPERIMENTAL FACILITIES. V FLETCHER. 1/26/65, 2P)	BE0705 M3483
ALIGNMENT	8 QB MAGNET ALIGNMENT (BEVATRON EXPERIMENTAL FACILITIES. V FLETCHER. 1/28/65, 2P)	BE0705 M3486
ALIGNMENT-SYSTEM	A POSSIBLE MAGNET ALIGNMENT-SYSTEM AND ITS IMPLICATIONS (ADVANCED ACCELERATOR, MAIN RING. W SALSIG. 11/27/63, 18P UCID 2018)	AC0508 M3200
ALIGNMENT-SYSTEM	IMPORTANT TO MAGNET ALIGNMENT-SYSTEM (ADVANCED ACCELERATOR, A METHOD OF SUPPORTING THE BEAM AND ESTIMATES OF DEFLECTIONS MAGNET RING SUPPORT BEAMS, 220 FT LONG. W SALSIG. 12/27/63, 9P)	AC0404 M3230
ALLOY	SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P)	AT0102 M3235

ALPHA	ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P)	RC0106 M3157
ALPHA	184-IN CYCLOTRON ALPHA BEAM STABILITY STUDY (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 2/10/64, 8P)	RB0108 M3297
ALUMINA	CONSULTATION TRIP TO WESTERN-GOLD-AND-PLATINUM-COMPANY ON ALUMINA PART DESIGN AND PRODUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 12/6/63, 2P)	RC0103 M3204
ALUMINIZED	FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R WEBER. 2/11/65, 4P)	SPEC. M375
ALUMINUM	ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W POPE, J HUGULEY. 11/7/63, 3P)	AT0102 M3180
ALUMINUM	BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P)	AT0102 M3252
ALUMINUM	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64. R4/8/64, 3P)	BE0503 M3276A
ALUMINUM	PRESSURE TEST OF ALL ALUMINUM LH2 FLASK (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 1/6/64, 1P)	AA0300 M3225
ALUMINUM	SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P)	AT0102 M3235
AMALGAM	MERCURY AMALGAM SOLDERING (PHYSICS RESEARCH, ALVAREZ GROUP. K MCCARRON. 10/30/64, 1P UCID 2412)	RP0103 M3445
ANACONDA	VISITS TO PHELPS-DODGE, REVERE COPPER, ANACONDA AMERICAN BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R FREY. 6/13/63, 8P)	AA0114 M3079
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ANALOG	PROPOSALS FOR AN ANALOG COMPUTER INSTALLATION (S JOHNSON. 7/2/63, 2P)	AA0123 M3088
ANALOG	THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS (S JOHNSON. 1/22/64, 10P)	AA0123 M3236
ANALYSER	THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS (S JOHNSON. 1/22/64, 10P)	AA0123 M3236
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ANALYSIS	ELECTRIC HOIST ACCEPTANCE TEST AND A-FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P)	BE0610 M3289A
ANALYSIS	LINAC SUPPORT STANDS, STRESS ANALYSIS (BEVATRON INJECTOR II. R MEUSER. 8/9/63, 12P)	BE0905 M3116

ANALYSIS	NEW BUBBLE-CHAMBER BODY STRESS ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P)	HD0102 M3410
ANALYSIS	NEW BUBBLE-CHAMBER BODY STRESS ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P)	HD0102 M3427
ANALYSIS	STRESS ANALYSIS OF A MATERIAL LIFTING FIXTURE (S WASILIK. 10/16/64, 7P)	AA0118 M3431
ANALYSIS	STRESS ANALYSIS OF POST-STRIPPER TANK WITH THE NEW WATER JACKET COOLING-SYSTEM (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 31P)	LA0107 M3465
ANALYSIS	VACUUM-JACKET WINDOWS, ANALYSIS OF LONG RECTANGULAR MEMBRANE WINDOWS (J TANABE. 11/13/63, 8P)	AT0102 M3187
ANALYSIS-SYSTEM	BEAM ANALYSIS-SYSTEM, FACTORS AFFECTING ENERGY RESOLUTION (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/10/64, 13P, UCID 2404)	CB0201 M3363
ANALYSIS-SYSTEM	BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405)	CB0201 M3370
ANALYSIS-SYSTEM	BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64 8P)	CB0201 M3438
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ANALYTICAL-ENGINEER	ANALYTICAL-ENGINEERING STUDY-GROUP LECTURE-NOTES (JANUARY 29, 1963, MECHANICAL ENGINEERING, GENERAL. R SCHWARZ. 2/1/65, 8P)	AA0123 M3489
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ANODE	ION SOURCE ANODE POSITION (88-INCH CYCLOTRON. J HAUGHIAN. 5/24/63, 1P UCID 2230)	CB0130 M3059
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APERTURE	CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE TRIPLET MAGNET HERO (184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSING MAGNETS. D ROTHFUSS. 8/30/63, 4P)	SPEC. M359
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APERTURE	MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)	BE1201 M3448

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ARGONNE	LIQUID DEUTERIUM TARGET FOR ARGONNE (R WOLGAST. 8/28/64. 3P UCID 2352)	AT0102 M3402
ARGONNE	TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S JOHNSON. 7/27/64. 1P)	AA0102 M3373
ARGONNE	VISIT TO ARGONNE NATIONAL LABORATORY, (SEPTEMBER 29, 1964) (TRIP REPORT. G EDWARDS. 10/19/64. 1P)	AA0102 M3432
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ARMOR	HIPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS (BEVATRON. J OORT. 1/10/63. 14P)	BE1130 M3076
ARMS	BLOCK LIFTING FIXTURE ARMS, ADAPTER AND 1-1/2-IN DIAMETER PIN (BEVATRON. S WORTMAN. 11/18/53. 3P)	BE0610 M3186
ASME	ASME DESIGN ENGINEERING CONFERENCE AND SHOW, 1963 (TRIP REPORT. A BABIN, A GLICKSMAN, R KREVITT, F TOBY. 7/1/63. 6P)	AA0102 M3093
ASME	ASME DESIGN ENGINEERING CONFERENCE 1964 (F BIERLEIN. 5/20/64. 6P)	AA0102 M3333
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ASSEMBLIES	8-AND 12-INCH TYPE QB QUADRUPOLE MAGNET COIL ASSEMBLIES (BEVATRON. EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. R KILPATRICK. 3/19/63, R5/3/63, R5/6/63. 3P)	SPEC. M3488
ASSEMBLY	BETA RAY SPECTROMETER SOLENOID COIL ASSEMBLY (HEAVY ION ACCELERATOR NEW EQUIPMENT AND COMPONENTS. J HAUGHIAN. 10/13/64 R1/7/65. 6P)	LA0102 M3424A
ASSEMBLY	CONVEYOR LINE FACILITY, BUILDING 171, SUGGESTED ASSEMBLY PROCEDURE (J HAUGHIAN. 8/22/63 R9/4/63. 2P)	AB0400 M3120A
ASSEMBLY	GAP-MOUNTED FLIP-TARGET (MK VIII-T) STRAIGHT-TO-CURVED ASSEMBLY PROCEDURE (BEVATRON. K STONE, D VANECEK. 9/16/63. 3P)	BE0702 M3137
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ASSEMBLY	PRESSURE TEST OF LOWER VACUUM JACKET ASSEMBLY (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)	AA0300 M3449
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ASSEMBLY	WEATHERHEAD H-9 HOSE AND BARB VARIATIONS TO ALLOW EASY ASSEMBLY AND LEAK TIGHTNESS (HEAVY ION ACCELERATOR. R PARSONS. 3/10/64. 1P)	LA0102 M3280

ASSEMBLY	12QB AUXILIARY MAGNETS SPECIAL LIFTING FRAME FOR USE IN ASSEMBLY BUILDING (BEVATRON. V FLETCHER. 12/19/63 R3/5/64, 6P)	BE0705 M3220A
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AUTHORS	ENGINEERING NOTE AUTHORS GUIDE (H GORDON, J TURNER. 7/27/64 R8/20/64, 4P)	AA0128 M3374A
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AVS	AVS SYMPOSIUM AT BOSTON, BROOKHAVEN AND ARGONNE-NATIONAL-LAB. (TRIP REPORT. K LOU. 11/12/63, 2P)	AA0102 M3178
AVS	MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273)	AA0112 M3342
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BARB	WEATHERHEAD H-9 HOSE AND BARB VARIATIONS TO ALLOW EASY ASSEMBLY AND LEAK TIGHTNESS (HEAVY ION ACCELERATOR. R PARSONS. 3/10/64, 1P)	LA0102 M3280
BARBS	DESIGN FOR HOSE BARBS FOR 1/4-IN I.D. WEATHERHEAD H-9 HOSE (PROPOSED) (BEVATRON. S WASILIK. 3/12/64, 3P)	BE0705 M3293
BEAM	BEAM ANALYSIS-SYSTEM, FACTORS AFFECTING ENERGY RESOLUTION (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/10/64, 13P, UCID 2404)	CB0201 M3363
BEAM	BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405)	CB0201 M3370
BEAM	BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64 8P)	CB0201 M3438
BEAM	BEAM EXTRACTION MAGNETS, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 11/9/64 6P)	AC1001 M3451
BEAM	BEAM PATTERN DEVICE, SOME PRELIMINARY CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 3/13/63, 6P)	BE0906 M3003
BEAM	BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 4P)	BE0907 M3005
BEAM	BEAM SIZES, STRESSES, SPACING AND DEFLECTION, COMMERCIAL WE BEAMS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATION AND SUPPORTS, HALF-CELL LONG STEEL BEAMS. W SALSIG. 8/6/64, 6P)	AC0404 M3336

BEAM	BEVATRON EXTERNAL PROTON BEAM	GROUP BE0800
BEAM	BOOSTER CAPITAL COST AS A FUNCTION OF BEAM ENERGY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 9/64 30P)	AC0300 M3452
BEAM	CALCULATIONS INVOLVING THE VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT I-M 2 MAGNET (BEVATRON INJECTOR II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/12/63, 11P)	BE0907 M3132
BEAM	EXTERNAL BEAM DEFLECTION MAGNET POLARITY (BEVATRON, EXTERNAL PROTON BEAM. A LAKE. 5/6/64, 5P UCID 2337)	BE0804 M3327
BEAM	EXTERNAL PROTON BEAM COST ESTIMATE SUMMARY 1/1/64 (PHASE IB AND II) (BEVATRON. D MORRIS. 8/13/63 R11/13/63 R2/3/64, 5P)	BE0801 M3127B
BEAM	IRON-BOUND SOLENOIDS FOR BEAM FOCUSING (R MEUSER. 11/19/63, 10P)	AA0114 M3195
BEAM	MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III. A GLICKSMAN. 3/19/56. ISSUED 6/25/63, 54P)	BE1305 M3089
BEAM	MAIN PROBE, BEAM CLIPPER, FUNCTION AND INSTALLATION PROCEDURE (184-INCH CYCLOTRON, CENTRAL AREA STUDIES. L GLASGOW. D ROTHFUSS. 1/8/65, 5P)	CA0206 M3477
BEAM	METHOD OF RAISING OR LOWERING THE INJECTED PROTON BEAM BETWEEN I-M 1 AND I-M 2 MAGNETS (BEVATRON INJECTOR II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/14/63, 3P)	BE0907 M3131
BEAM	MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P)	RA0200 M3318
BEAM	MOLECULAR BEAM REACTION CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G BEHRING. 9/4/64, 3P)	RA0200 M3404
BEAM	THE ADVANTAGE OF CENTERING BEAM IN TUNNEL, (WITH THREE EXAMPLES) (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W CHAMBERLAIN. 2/26/64, 6P)	AC0404 M3270
BEAM	TRANSIENT RESPONSE TO EARTHQUAKE MOTION OF A CONTINUOUS CONCRETE BEAM 93-FT LONG (ONE CELL) (ADVANCED ACCELERATOR, MAIN RING MAGNET SUPPORT AND ENCLOSURE. S JOHNSON. 5/7/64, 10P)	AC0404 M3360
BEAM	184-IN CYCLOTRON ALPHA BEAM STABILITY STUDY (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 2/10/64, 8P)	RB0108 M3297
BEAM	30-TON TRANSFER BEAM DESIGN (BEVATRON. H FALSTER. 4/62 PUBLISHED 4/29/64, 9P UCID 2215)	BE0610 M3317

BEAMS	ADVANCED ACCELERATOR, EXTRACTED BEAMS AND TARGETS	GROUP AC1000
BEAMS	BEAM SIZES, STRESSES, SPACING AND DEFLECTION, COMMERCIAL WF BEAMS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATION AND SUPPORTS, HALF-CELL LONG STEEL BEAMS. W SALSIG. 8/6/64, 6P)	AC0404 M3336
BEAMS	CROSS-SECTION PARAMETERS FOR BEAMS 18-FT TO 15-FT DEEP) (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 1/24/64, 7P)	AC0404 M3242
BEAMS	DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED UNIFORM BEAMS (R MEUSER. 11/8/63, 7P)	AA0129 M3194
BEAMS	NATURAL FREQUENCIES FOR BEAMS DESCRIBED IN NOTE M3243 (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. S JOHNSON. 3/17/64, 3P)	AC0404 M3283
BEAMS	PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 11/1/63, 4P)	AC0404 M3229
BEAMS	YEARLY DEFLECTION INCREASE DUE TO CREEP AND SHRINKAGE FOR 1 AND 2 CELL BEAMS (TROXELL, RAPHAEL, DAVIS CRITERIA) (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT BEAMS. W SALSIG. 4/25/64, 3P)	AC0404 M3321
BEARING	BEARING EVALUATION TEST (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. E HOYER. 1/20/61, 7P)	BE0802 M3082
BEARING	DETERMINATION OF FINAL GASKET BEARING PAD DIMENSIONS (25-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 7/19/63, 13P)	ME0103 M3101
BEARING	MEASURING PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P)	RP0103 M3405
BEARING	MOTOR-GENERATOR NO. 6 BEARING LUBRICATION INSTRUCTION (BEVATRON. H FALSTER. 6/20/63, 1P)	BE0706 M3080
BELL	CUSTOM VACUUM BELL JAR (J HAUGHIAN. 6/22/63, 13P)	AB0403 M3033
BELLOWS	COOLING POST-STRIPPER DRIFT-TUBE STEM BELLOWS (HEAVY ION ACCELERATOR. E HOYER, R BYRNS, R PARSONS. 6/29/64, 23P)	LA0103 M3354
BELLOWS	PRE-STRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY ION ACCELERATOR. R BYRNS. 7/21/64, 17P)	LA0107 M3415
BENCH	OPTICAL BENCH RIGIDITY (BIO-ORGANIC CHEMISTRY MAGNETO-OPTICAL ROTATION APPARATUS. V KOPYTOFF. 9/27/63, 5P)	RC0501 M3152
BENDING	CAVE I BENDING MAGNET DESIGN CALCULATIONS (88-INCH CYCLOTRON. B MORGAN, R PETERS. 11/19/63, 10P)	CB0201 M3316
BENDING	PULSED BENDING MAGNET (BEVATRON, INJECTOR DEVELOPMENT. R MEUSER. V ROMANO. 6/1/64, R6/17/64, 2P)	SPEC. M367A

BETA	BETA RAY SPECTROMETER SOLENOID COIL ASSEMBLY (HEAVY ION ACCELERATOR NEW EQUIPMENT AND COMPONENTS. J HAUGHIAN. 10/13/64 R1/7/65, 6P)	LA0102 M3424A
BEVATRON	BEVATRON EXTERNAL PROTON BEAM	GROUP BE0800
BEVATRON	BEVATRON MAGNET COIL	GROUP BE1300
BEVATRON	BEVATRON MAGNET CORE.	GROUP BE1200
BEVATRON	BEVATRON MAGNET POWER-SUPPLY	GROUP BE1400
BEVATRON	BEVATRON VACUUM ENVELOPE	GROUP BE1800
BEVATRON	BEVATRON, ACCELERATING-SYSTEM	GROUP BE0500
BEVATRON	BEVATRON, BUILDING, UTILITIES	GROUP BE0100
BEVATRON	BEVATRON, EXPERIMENTAL FACILITIES	GROUP BE0700
BEVATRON	BEVATRON, GENERAL.	GROUP BE0600
BEVATRON	BEVATRON, INJECTOR-II	GROUP BE0900
BEVATRON	BEVATRON, SHIELDING AND SUPPORT STRUCTURES	GROUP BE1100
BEVATRON	CODE NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING NOTES. (W SALSIG. 5/14/63, 2P)	BE0601 M3046
BEVATRON	INDEX TO BEVATRON LINAC ENGINEERING NOTES (BEVATRON INJECTOR II. R KILPATRICK. 12/18/63, 1P)	BE0905 M3215
BEVATRON	SUMMARY OF MECHANICAL ENGINEERING WORK FOR THE BEVATRON (PERIOD OF OCTOBER 1, 1963 TO OCTOBER 3, 1964) (K LOU. 12/11/64, 7P)	BE0601 M3467
BID	BID COSTS ON MAJOR MECHANICAL COMPONENTS (88-INCH CYCLOTRON. R BURLEIGH. 10/15/64, 4P UCID 2383)	CB0100 M3428
BIDS	MAIN VACUUM-SYSTEM, COMPARISON BETWEEN PRELIMINARY COST ESTIMATES AND CONTRACT BIDS (ADVANCED ACCELERATOR. F REINATH. 3/17/64, 2P)	AC0800 M3284
BIMETALLIC	BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS (BEVATRON EXTERNAL PROTON BEAM. D MORRIS. 8/18/64, 1P UCID 2365)	BE0806 M3391
BIO-ORGANIC	BIO-ORGANIC CHEMISTRY RESEARCH	GROUP RC0500
BIOLOGY	BIOLOGY AND MEDICINE RESEARCH	GROUP RB0100
BLOCK	BLOCK LIFTING FIXTURE ARMS, ADAPTER AND 1-1/2-IN DIAMETER PIN (BEVATRON. S WORTMAN. 11/18/63, 3P)	BE0610 M3186
BLOCK	BLOCK LIFTING FIXTURE STRESSES (BEVATRON SHIELDING. D MORRIS. 5/2/63, 9P)	BE1130 M3041
BLOCK	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030
BLOCK	DESIGN OF QUADRANT END 2-DEG BOTTOM SHIELDING BLOCK, (QR-7) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 25P)	BE1130 M3461

BLOCK	DESIGN OF QUADRANT END 2-DEG TOP SHIELDING BLOCK, (QR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 18P)	BE1130 M3462
BLOCK	MD SERIES SHIELDING BLOCK INDEX (184-INCH CYCLOTRON. W BRUNK. 4/5/63, 1P)	CA0101 M3019
BLOCK	300-LBS CF CONCRETE SHIELDING BLOCK COSTS (184-INCH CYCLOTRON. W BRUNK. 4/15/63, 2P)	CA0101 M3032
BLOCKS	DESIGN OF TANGENT CENTER BOTTOM SHIELDING BLOCKS, (TR-6, TR-7, TR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 21P)	BE1130 M3460
BLOCKS	HIGH-DENSITY, 300-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. T TAYLOR. 7/9/62, R8/64, R10/64, R2/5/65, 7P)	SPEC. M16C
BLOCKS	MAGNETITE OR HEMATITE HIGH-DENSITY 225-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. M POLIVKA. 4/10/62, R4/20/62, R6/12/63, R4/17/64, 5P)	SPEC. M15C
BLOCKS	SHIELDING BLOCKS FOR PHYSICS CAVE (184-INCH CYCLOTRON. IMPROVEMENTS. A DANCOSSE. 8/7/63, 1P)	CA0202 M3125
BLOCKS	SHIELDING BLOCKS, NUMBERING-SYSTEM (REVISED) (184-INCH CYCLOTRON. A DANCOSSE. 4/29/64, 4P)	CA0203 M3325
BLOCKS	SUMMARY OF FIELD INSPECTION OF SHIELDING BLOCKS (BEVATRON-SHIELDING. R MILLER. 6/14/63, 3P)	BE1130 M3075
BODY	NEW BUBBLE-CHAMBER BODY, COST AND TIME ESTIMATE (72-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ, F BARRERA. 5/10/63, 3P UCID 1901)	HD0102 M3052
BODY	NEW BUBBLE-CHAMBER BODY, STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 4/2/63, 32P UCID 1902)	HD0102 M3054
BODY	NEW BUBBLE-CHAMBER BODY ADDITIONAL STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 6/26/63, 16P UCID 1936)	HD0102 M3087
BODY	NEW BUBBLE-CHAMBER BODY STRESS ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P)	HD0102 M3410
BODY	NEW BUBBLE-CHAMBER BODY STRESS ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P)	HD0102 M3427
BODY	NEW BUBBLE-CHAMBER BODY STRESS ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P)	HD0102 M3427
BODY	STRESS CALCULATIONS, BUBBLE-CHAMBER BODY AND WINDOWS (25-INCH BUBBLE CHAMBER. J MYALL. 9/18/63, 49P UCID 2071)	HE0103 M3232

BODY	VAN BODY (PORTABLE BIOLOGICAL LABORATORY. R FULTON. 4/22/63, R12/16/63, R1/27/64, 5P)	SPEC. M3508
BOLTS	AUXILIARY MAGNET M4, DESIGN OF YOKE LAMINATION BOLTS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/23/63, 15P UCID 2333)	BE0804 M3103
BOLTS	PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRE-STRIPPER. STEM CLAMPS (HEAVY ION ACCELERATOR. E HOYER. 7/19/63, 2P)	LA0101 M3100
BOOSTER	BOOSTER CAPITAL COST AS A FUNCTION OF BEAM ENERGY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 9/64 30P)	AC0300 M3452
BOOSTER	BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. H HERNANDEZ. 12/21/64, 14P)	AC0300 M3475
BOSTON	AVS SYMPOSIUM AT BOSTON, BROOKHAVEN AND ARGONNE-NATIONAL-LAB. (TRIP REPORT. K LOU. 11/12/63, 2P)	AA0102 M3178
BOSTON	BOSTON MEETING AMERICAN VACUUM SOCIETY, (OCTOBER 1963) (TRIP REPORT. J HAUGHIAN. 10/29/63, 2P)	AA0102 M3174
BRACE	DIMENSIONAL VARIATIONS OF TRANSITION TANK AND TANGENTIAL BRACE (AT SOUTH END OF EAST TANGENT TANK AS OF OCTOBER 1962) (BEVATRON. R EDWARDS. 6/10/64, 3P)	BE1201 M3338
BRACKET	ALIGNMENT TELESCOPE BRACKET (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 9/11/64, 4P UCID 2380)	AA0901 M3423
BRASS	VISITS TO PHELPS-DODGE, REVERE COPPER, ANACONDA AMERICAN BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R FREY. 6/13/63, 8P)	AA0114 M3079
BRAZE	PRECIOUS BRAZE FILLER METALS (R REIMERS. 10/28/64, 5P UCID 2408)	AA0121 M3437
BRAZING	WELDING, BRAZING, SOLDERING.	GROUP AA0121
BRAZING	WESGO, LITTON-IND, AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTON VACUUM SYSTEM. G BEHRING. 2/19/65, 4P)	AC0305 M3503
BREAKDOWNS	ACTUAL CONCRETE SHIELDING-BLOCK COSTS AND ESTIMATED UNIT VALUE. BREAKDOWNS FOR 1964 (M ELLIOTT. 3/8/65, 5P)	AA0116 M3511
BRIDGE	POSTSTRIPPER DRIFT TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T HENDERSON. 1/27/65, 2P)	LA0105 M3487
BROOKHAVEN	AVS SYMPOSIUM AT BOSTON, BROOKHAVEN AND ARGONNE-NATIONAL-LAB. (TRIP REPORT. K LOU. 11/12/63, 2P)	AA0102 M3178

BROOKHAVEN	BROOKHAVEN, CAMBRIDGE, GENERAL-ELECTRIC, TRIP-REPORT (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 6/16/64, 28P)	AC0300 M3344
BROOKHAVEN	VISIT TO BROOKHAVEN NATIONAL LABORATORY (TRIP REPORT. A BABIN. 6/5/63 2P)	AA0102 M3072
BROOKHAVEN-NATIONAL	STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. D NORNGREN. 9/2/64, 2P UCID 2351)	RP0103 M3401
BRUTUS	BRUTUS STEERING MAGNET, COST SUMMARY (HEAVY ION ACCELERATOR. R HINTZ. 4/12/63, 2P)	LA0102 M3025
BUBBLE-CHAMBER	PROPANE BUBBLE CHAMBERS	GROUP PC0100
BUBBLE-CHAMBER	BUBBLE-CHAMBER COMBINED OPERATION, SPRING 1964 (HYDROGEN SAFETY SAFETY REQUIREMENTS FOR 25-IN HYDROGEN AND 30-IN PROPANE COMMITTEE. R BYRNS. 12/17/63, 2P)	AA0300 M3209
BUBBLE-CHAMBER	BUBBLE-CHAMBER MULTIPULSING TEST DURING ENGINEERING RUN, NOVEMBER 1963 (25-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ. 4/1/64, 1P UCID 2157)	HE0106 M3290
BUBBLE-CHAMBER	BUBBLE-CHAMBER THERMOCOUPLE LOCATION, (FIRST RUN) (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/24/63, 1P)	HE0106 M3171
BUBBLE-CHAMBER	LOCATION OF BOTTOM BUBBLE-CHAMBER GLASS AT ROOM-TEMPERATURE (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/21/63 R10/23/63, 3P)	HE0103 M3168A
BUBBLE-CHAMBER	MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. V KOPYTOFF. 5/16/63, 7P)	RP0102 M3053
BUBBLE-CHAMBER	NEW BUBBLE-CHAMBER BODY, COST AND TIME ESTIMATE (72-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ, F BARRERA. 5/10/63, 3P UCID 1901)	HD0102 M3052
BUBBLE-CHAMBER	NEW BUBBLE-CHAMBER BODY, STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 4/2/63, 32P UCID 1902)	HD0102 M3054
BUBBLE-CHAMBER	NEW BUBBLE-CHAMBER BODY ADDITIONAL STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 6/26/63, 16P UCID 1936)	HD0102 M3087
BUBBLE-CHAMBER	NEW BUBBLE-CHAMBER BODY STRESS ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P)	HD0102 M3410
BUBBLE-CHAMBER	NEW BUBBLE-CHAMBER BODY STRESS ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P)	HD0102 M3427
BUBBLE-CHAMBER	STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. D NORNGREN. 9/2/64, 2P UCID 2351)	RP0103 M3401

BUBBLE-CHAMBER	STRESS CALCULATIONS, BUBBLE-CHAMBER BODY AND WINDOWS (25-INCH BUBBLE CHAMBER. J MYALL. 9/18/63, 49P UCID 2071)	HE0103 M3232
BUBBLE-CHAMBER	25-IN HYDROGEN BUBBLE-CHAMBER	GROUP HE0100
BUBBLE-CHAMBER	72-IN HYDROGEN BUBBLE-CHAMBER	GROUP HD0100
BUBBLE-CHAMBER	8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. H HERNANDEZ, L HANSEN, V KOPYTOFF. 3/25/63, 11P)	RP0102 M3014
BUBBLE-CHAMBERS	DISPERSIVE POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS (INORGANIC MATERIALS RESEARCH LOW-TEMPERATURE PROPERTIES OF MATERIALS. D NORNGREN. 7/30/64, 3P UCID 2340)	RA0203 M3335
BUDGET	ACCELERATOR IMPROVEMENTS, BUDGET SUBMISSION (FY 66) (88-INCH CYCLOTRON. H GRUNDER, R BURLEIGH. 4/20/64, 2P)	CB0200 M3311
BUILDING	BEVATRON, BUILDING, UTILITIES	GROUP BE0100
BUILDING	CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST ESTIMATES (FOR 150 FT, 132 FT, AND 114 FT DIA STRUCTURES) (ADVANCED ACCELERATOR, MAIN RING MAJOR EQUIPMENT ACCESSWAY, STUDIES NO. 11 AND NO. 12. O CALLAHAN. 3/4/64, 4P)	AC0411 M3279
BUILDING	MACHINE INSTALLATION BUILDING-70, COST ESTIMATE OF BUILDING MODIFICATION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/22/63, 1P)	RC0103 M3058
BUNCHER	CW BUNCHER, COOLING CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 6/25/63, 7P)	LA0102 M3084
BUNCHER	PROTON BUNCHER (BEVATRON INJECTOR II, ION GUN TO LINAC SECTION. R KILPATRICK. 5/24/63, 19P)	BE0904 M3074
BUNDLE	18-IN X 36-IN LP MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION (BEVATRON. I HALPERN. 11/22/63, 1P)	BE0705 M3198
BUOYANT	BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P)	AA0113 M3011
BURST	BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P)	AT0102 M3252
BURSTING	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64. R4/8/64, 3P)	BE0503 M3276A
BUS	MAGNET BUS BAR-SYSTEM AND INTERNAL COIL CONNECTIONS (ADVANCED ACCELERATOR MAIN RING. R KILPATRICK. 12/15/64, 2P)	AC0500 M3468
BUSES	MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P)	HE0102 M3233

BUTYL	BUTYL RUBBER TUBING FOR VACUUM USE (STANDARD SPECIFICATION. J TURNER. 12/26/61, R4/14/64, R7/22/64, 2P)	SPEC. M18B
BUTYL	BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158)	AA0112 M3294
BUYER	RESPONSIBILITIES OF REQUESTER AND BUYER IN PURCHASE ACTIONS (METHODS AND PROCEDURES. R FREY. 2/12/65, 1P)	AA0101 M3499
CABLES	MAGNETIC FORCES ON IM-3 POWER CABLES (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 1P)	BE0907 M3010
CAL-COMP	FORTRAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P)	AA0123 M3337
CAL-COMP	MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)	BE1201 M3448
CALCULATE	MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)	BE1201 M3448
CALCULATING	CALCULATING RELIABILITY FOR ENGINEERING DEVICES (TECHNICAL MEETING TALK 12-11-63. W SALSIG. 1/30/64, 10P)	AA0100 M3273
CALCULATION	APPROXIMATE INDUCTANCE CALCULATION FOR A MODIFIED CONFORMAL H MAGNET (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/25/64, 11P)	AC0505 M3261
CALCULATIONS	BASEMENT SLIDING STEEL DOOR, DESIGN CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 5/19/64, 3P)	LA0102 M3330
CALCULATIONS	BEAM PATTERN DEVICE, SOME PRELIMINARY CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 3/13/63, 6P)	BE0906 M3003
CALCULATIONS	C MAGNET, 13 IN X 24 IN X 2 1/2 IN GAP, DESIGN CALCULATIONS (K MIRK. 9/23/64, 7P)	AA0114 M3416
CALCULATIONS	CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. O CALLAHAN. 4/19/63, 8P UCID 2330)	BE0805 M3037
CALCULATIONS	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030
CALCULATIONS	CALCULATIONS INVOLVING THE VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT I-M 2 MAGNET (BEVATRON INJECTOR II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/12/63, 11P)	BE0907 M3132

CALCULATIONS	CAVE I BENDING MAGNET DESIGN CALCULATIONS (88-INCH CYCLOTRON. B MORGAN, R PETERS. 11/19/63, 10P)	CB0201 M3316
CALCULATIONS	CW BUNCHER, COOLING CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 6/25/63, 7P)	LA0102 M3084
CALCULATIONS	DEE COOLING AND STRUCTURAL CALCULATIONS (88-INCH CYCLOTRON. J HAUGHIAN. 4/8/64, 19P)	CB0112 M3296
CALCULATIONS	EARTHQUAKE STABILITY CALCULATIONS FOR SUBSTATION EQUIPMENT (HEAVY ION ACCELERATOR. E HOYER. 4/7/64, 2P)	LA0105 M3328
CALCULATIONS	FOIL ROLLING MILL DESIGN CALCULATIONS (CHEMISTRY RESEARCH, 88-IN CYCLOTRON NUCLEAR REACTIONS GROUP. J WAGNER. 12/17/63, 17P)	RC0100 M3218
CALCULATIONS	INHOMOGENEOUS DEFLECTING MAGNET CALCULATIONS (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC. S JOHNSON. 6/11/63, 9P)	RA0204 M3121
CALCULATIONS	M-3 V AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/8/63, 9P)	BE0804 M3094
CALCULATIONS	M-4V MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 1/29/65, 11P)	BE0804 M3490
CALCULATIONS	M-5 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 11/7/63 R2/4/64, 32P)	BE0804 M3177A
CALCULATIONS	M-6 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 8/26/63 R3/3/64, 19P UCID 2336)	BE0804 M3176A
CALCULATIONS	MAGNET LIFTING FIXTURE CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 5/10/62, 3P)	BE0906 M3013
CALCULATIONS	MOTOR-GENERATOR-SET NATURAL FREQUENCY CALCULATIONS (BEVATRON, MAGNET POWER SUPPLY. S JOHNSON. 7/7/64 R7/13/64, 6P)	BE1401 M3362A
CALCULATIONS	NEW BUBBLE-CHAMBER BODY, STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 4/2/63, 32P UCID 1902)	HD0102 M3054
CALCULATIONS	NEW BUBBLE-CHAMBER BODY ADDITIONAL STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 6/26/63, 16P UCID 1936)	HD0102 M3087
CALCULATIONS	NEW VACUUM TANK STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 5/24/63, 9P UCID 1905)	HD0102 M3060
CALCULATIONS	POSTSTRIPPER DRIFT TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T HENDERSON. 1/27/65, 2P)	LA0105 M3487
CALCULATIONS	RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P)	RC0102 M3392

CALCULATIONS	STRESS CALCULATIONS, BUBBLE-CHAMBER BODY AND WINDOWS (25-INCH BUBBLE CHAMBER. J MYALL. 9/18/63, 49P UCID 2071)	HE0103 M3232
CALCULATIONS	SUPERCONDUCTING SOLENOID, COIL DESIGN AND CALCULATIONS (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/4/65, 8P UCID 2443)	RC0102 M3473
CALCULATIONS	18-PCT-DUTY-FACTOR-OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P)	LA0105 M3065
CALIBRATION	CALIBRATION OF CVC PHG-90 COLD CATHODE IONIZATION VACUUM GAUGE (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/26/65, 2P)	AA0112 M3484
CALIBRATION	CONTROLLED-TEMPERATURE WATER-SYSTEM CALIBRATION DATA (BEVATRON INJECTOR II. S JOHNSON. 2/21/63, 3P)	BE0905 M3006
CALIBRATION	GEMS PS-900 FLOW SWITCH CALIBRATION (BIO-ORGANIC CHEMISTRY LEMMON C-14 ISOTOPE SEPARATOR SOURCE. G BEHRING. 10/28/64, 1P)	RC0500 M3439
CALIBRATION	HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P)	AA0112 M3217
CALIBRATION	THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE	AA0112 M3364A
CALIBRATION	THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE (G PFAFF. 12/16/63, 2P)	AA0112 M3210
CAMBRIDGE	BROOKHAVEN, CAMBRIDGE, GENERAL-ELECTRIC, TRIP-REPORT (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 6/16/64, 28P)	AC0300 M3344
CAMERA	PULSED STEREO CAMERA (80-IN LIQUID HYDROGEN BUBBLE CHAMBER. D NORRGREN. 10/12/64, 5P)	SPEC. M372
CAMERA	STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. D NORRGREN. 9/2/64, 2P UCID 2351)	RP0103 M3401
CAP	ACCIDENT WITH SWAGELOCK CAP (HYDROGEN SAFETY COMMITTEE. R BYRNS, F BARRERA. 3/2/64, 2P)	AA0300 M3277
CAP	PILE CAP POSITION REMOTE INDICATING READ-OUT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATIONS AND SUPPORT. F MIDDLETON. 2/9/65, 7P)	AC0404 M3500
CAPACITIVE	A ROTARY CAPACITIVE TUNING-SYSTEM FOR A 50-MC TO 100-MC RF CAVITY (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON RF-SYSTEM. M GREEN. 6/29/64, 27P)	AC0304 M3365
CAPITAL	BOOSTER CAPITAL COST AS A FUNCTION OF BEAM ENERGY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 9/64, 30P)	AC0300 M3452
CAPSULE	RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P)	RC0102 M3392

CARBON	A SIMPLE PROCEDURE FOR THE PREPARATION OF CARBON FILMS (OF INTERMEDIATE THICKNESS) (D O CONNELL. 5/3/63, 1P)	AA0503 M3106
CART	STABILITY OF A CART WITH CASTERS (CHEMISTRY RESEARCH CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 1P)	RC0103 M3008
CARTER-PRINCETON	CARTER-PRINCETON SEMINAR. SOLVING TEMPERATURE PROBLEMS WITH THERMOELECTRICS 1964 (TRIP REPORT. F HUBAL. 8/5/64, 15P UCID 2346)	AA0102 M3384
CASCADE	CASCADE ISOTOPE SEPARATOR, PROGRESS REPORT NUMBER 10 (CHEMISTRY RESEARCH. R REIMERS. 2/26/65, 1P)	RC0103 M3505
CASTERS	STABILITY OF A CART WITH CASTERS (CHEMISTRY RESEARCH CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 1P)	RC0103 M3008
CATHODE	VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P)	BE0708 M3472
CATHODES	GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES. VELOCITY SPECTROMETERS, MARK VI. G EDWARDS. 2/13/64, 4P)	SPEC. M363
CATHODES	VELOCITY SPECTROMETERS MARK V, GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 4/30/63 R6/21/63 R1/5/65, 2P)	SPEC. M3518
CAVE	CAVE I BENDING MAGNET DESIGN CALCULATIONS (88-INCH CYCLOTRON. B MORGAN, R PETERS. 11/19/63, 10P)	CB0201 M3316
CAVE	CAVE VACUUM PREDICTED ROUGHING TIME (88-INCH CYCLOTRON, EXPERIMENTAL EQUIPMENT BEAM TUBES. R PETERS, T HENDERSON. 11/14/63, 7P)	CB0200 M3185
CAVE	PHYSICS CAVE SHIELDING, INCREMENT I COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 4/17/63 R4/25/63, 4P)	CA0202 M3031A
CAVE	PHYSICS CAVE SHIELDING COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 9/3/63 R10/24/63, 2P)	CA0202 M3142A
CAVE	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/11/63, 2P)	CA0202 M3222
CAVE	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/21/63, 4P)	CA0202 M3223
CAVE	SHIELDING BLOCKS FOR PHYSICS CAVE (184-INCH CYCLOTRON. IMPROVEMENTS. A DANCOSSE. 8/7/63, 1P)	CA0202 M3125
CAVITIES	COOLING OF FERRITE IN RF CAVITIES BY WATER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. R WOLGAST. 6/19/64, 12P)	AC0304 M3348

CAVITIES	COOLING OF FERRITE IN RF CAVITIES BY FORCED AIR (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, RF SYSTEM. R WOLGAST. 7/29/64, 15P)	AC0304 M3381
CAVITY	A ROTARY CAPACITIVE TUNING-SYSTEM FOR A 50-MC TO 100-MC RF CAVITY (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON RF-SYSTEM. M GREEN. 6/29/64, 27P)	AC0304 M3365
CAVITY	RF-SYSTEM, A MECHANICAL TUNING-SYSTEM FOR A CAVITY TO BE TUNED FROM 50-MC TO 100 MC (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN 6/2/64 R3/2/65, 22P UCID 2452)	AC0304 M3339A
CEMENTS	HEAT-TRANSFER CEMENTS, (COMPARISON OF SEVERAL) (BEVATRON INJECTOR II. S JOHNSON. 8/21/61, 2P)	BE0905 M3002
CENCO-HYVAC-28	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, CENCO-HYVAC-28 (G PFAFF. 2/8/65, 5P)	AA0112 M3507
CENTERING	THE ADVANTAGE OF CENTERING BEAM IN TUNNEL, (WITH THREE EXAMPLES) (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W CHAMBERLAIN. 2/26/64, 6P)	AC0404 M3270
CERAMIC-TO-METAL	WESGO, LITTON-IND, AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTON VACUUM SYSTEM. G BEHRING. 2/19/65, 4P)	AC0305 M3503
CERAMICS	WESGO, LITTON-IND, AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTON VACUUM SYSTEM. G BEHRING. 2/19/65, 4P)	AC0305 M3503
CERENKOV	A REFLECTIVE COATING OF MAGNESIA AND SODIUM SILICATE FOR CERENKOV COUNTERS (H KRAPP, J BYCE. 9/30/64, 2P)	AA0500 M3425
CERENKOV	OPERATING INSTRUCTIONS AND CHECK-LIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A GLICKSMAN. 3/21/63, 3P)	BE0709 M3004
CERENKOV	OPERATING INSTRUCTIONS AND CHECK-LIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A GLICKSMAN. 5/15/63, 3P)	BE0709 M3055
CERENKOV	150-PSI NITROGEN CERENKOV COUNTER, OPERATING CHECK-LIST (BEVATRON SLAC RESEARCH GROUP. J FIEDLER. 6/30/64, 3P)	BE0709 M3356
CERN	MEETING WITH DR. E. FISCHER FROM CERN ON VACUUM PROBLEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 4/7/64, 5P)	AC0800 M3299
CHA	PERFORMANCE TEST OF A CHA INDUSTRIES 6 IN HIGH VACUUM PUMPING-SYSTEM (G PFAFF. 8/13/64, 6P UCID 2345)	AA0112 M3389
CHAMBER	COMPARATIVE STUDY OF VACUUM CHAMBER MATERIALS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. R NICKERSON. 1/2/64, 4P)	AC0801 M3227

CHAMBER	LIQUID HELIUM COOLED TEST CHAMBER AND EXPERIMENT (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G. BEHRING. 12/4/64, 7P UCID 2436)	RC0102 M3458
CHAMBER	MATERIAL AND WALL THICKNESS OPTIMIZATION FOR SIMPLIFIED VACUUM CHAMBER (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. S. JOHNSON. 4/3/64, R4/10/64, 6P UCID 2363)	AC0801 M3292A
CHAMBER	MOLECULAR BEAM REACTION CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G. BEHRING. 9/4/64, 3P)	RA0200 M3404
CHAMBER	VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F. REINATH. 10/11/63, 6P)	AA0102 M3158
CHASSIS	TRUCK CHASSIS (PORTABLE BIOLOGICAL LABORATORY. R. FULTON. 4/22/63, R12/17/63, R1/28/64, 1P)	SPEC. M3498
CHECK-LIST	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECK-LIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J. WALTER. 7/1/64, 4P)	BE0709 M3355
CHECK-LIST	HYDROGEN GAS TARGET, OPERATION CHECK-LIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J. WALTER. 12/30/63, 4P)	BE0709 M3221
CHECK-LIST	OPERATING INSTRUCTIONS AND CHECK-LIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A. GLICKSMAN. 3/21/63, 3P)	BE0709 M3004
CHECK-LIST	OPERATING INSTRUCTIONS AND CHECK-LIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A. GLICKSMAN. 5/15/63, 3P)	BE0709 M3055
CHECK-LIST	OPERATIONS CHECK-LIST AND PROCEDURES, METHANE COUNTERS 2000 P.S.I. AND 300 P.S.I. (BEVATRON EXPERIMENTAL FACILITIES, LOFGREN P-P INTERACTIONS EXPERIMENT. J. FIEDLER. 12/18/64, 5P)	BE0709 M3469
CHECK-LIST	150-PSI NITROGEN CERENKOV COUNTER, OPERATING CHECK-LIST (BEVATRON SLAC RESEARCH GROUP. J. FIEDLER. 6/30/64, 3P)	BE0709 M3356
CHECK-LIST	2000 P.S.I. METHANE COUNTER OPERATION CHECK-LIST AND PROCEDURE (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J. WALTER. 9/27/63, R10/3/63, 5P)	BE0709 M3151A
CHECKLIST	COOLING-SYSTEM MAINTENANCE CHECKLIST (BEVATRON INJECTOR II LINAC. S. JOHNSON. 7/23/63, 7P)	BE0905 M3108
CHEMISTRY	BIO-ORGANIC CHEMISTRY RESEARCH	GROUP RC0500
CHEMISTRY	CHEMISTRY RESEARCH	GROUP RC0100
CHILLER	FIELD-FREE LABORATORY CHILLER MODIFICATION (CHEMISTRY RESEARCH BETA AND GAMMA RAY SPECTROSCOPY. S. JOHNSON. 12/5/63, 2P)	RC0101 M3203

CIRCUITS	DIODE CIRCUITS FOR NON-LINEAR SIMULATION (S JOHNSON. 1/13/64, 9P UCID 2073)	AA0123 M3234
CIRCUITS	FLOW SWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P)	BE0905 M3351
CLAMPS	PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRE-STRIPPER STEM CLAMPS (HEAVY ION ACCELERATOR. E HOYER. 7/19/63, 2P)	LA0101 M3100
CLEANING	GLOW DISCHARGE CLEANING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/25/63, 4P)	RC0103 M3015
CLEANING	HANDLING AND CLEANING OF COATED OPTICS (25-INCH HYDROGEN BUBBLE CHAMBER, CAMERA OPTICS. D NORRGREN. 9/25/63, 1P)	HE0105 M3149
CLEANING	PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS (BEVATRON, G EDWARDS. 7/17/64, R12/21/64, 3P)	BE0708 M3368A
CLIPPER	HYDRAULIC CLIPPER PLUNGER DESCRIPTION AND OPERATION (EAST INSIDE SOUTH) (BEVATRON. R EDWARDS. 4/29/63, 14P)	BE0702 M3036
CLIPPER	MAIN PROBE, BEAM CLIPPER, FUNCTION AND INSTALLATION PROCEDURE (184-INCH CYCLOTRON, CENTRAL AREA STUDIES. L GLASGOW. D ROTHFUSS. 1/8/65, 5P)	CA0206 M3477
COATING	A REFLECTIVE COATING OF MAGNESIA AND SODIUM SILICATE FOR CERENKOV COUNTERS (H KRAPP, J BYCE. 9/30/64, 2P)	AA0500 M3425
COATING	APPLICATION OF METCO-110 FLAMESPRAYED METALLIC ZINC PROTECTIVE COATING (HEAVY ION ACCELERATOR. R BYRNS. 12/3/64, 2P)	SPEC. M373
COATING	KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPEP. 10/14/64, 1P)	RP0101 M3429
CODE	CODE NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING NOTES (W SALSIG. 5/14/63, 2P)	BE0601 M3046
COIL	ALTERNATIVES SHOULD THE INFLECTOR MAGNET COIL IM-3 BECOME INOPERATIVE (BEVATRON INJECTOR II. S JOHNSON. 8/19/63 R8/26/63, 2P)	BE0907 M3118A
COIL	BETA RAY SPECTROMETER SOLENOID COIL ASSEMBLY (HEAVY ION ACCELERATOR NEW EQUIPMENT AND COMPONENTS. J HAUGHIAN. 10/13/64 R1/7/65, 6P)	LA0102 M3424A
COIL	BEVATRON MAGNET COIL	GROUP BE1300
COIL	CONSTRUCTION AND PERFORMANCE TESTS OF 2-1/2-IN. ID, 36-KG SUPERCONDUCTING COIL (R WOLGAST. 8/12/64, 4P)	AB0103 M3388
COIL	CUPID 2 1/4-IN DIA QUADRUPOLE MAGNET, COIL POTTING (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 1/29/65, 2P)	LA0102 M3491

COIL	DRIFT-TUBE MAGNET COIL CORROSION RATE TEST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/8/63, 3P)	BE0905 M3091
COIL	GAP-MOUNTED FLIP-TARGET (MK VIII-T) LONG COIL WINDING INSTRUCTIONS (BEVATRON. D STONE, D VANECEK. 8/22/63 R9/19/63, 4P)	BE0702 M3123A
COIL	GAP-MOUNTED FLIP-TARGET (MK VIII-T) SHORT COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/13/63, 3P)	BE0702 M3136
COIL	M-4 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 12/11/62, R2/11/63, 5/29/63, 4P)	SPEC. M345B
COIL	M-5 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 12/10/63, R1/7/64, 3P)	SPEC. M362A
COIL	MAGNET BUS BAR-SYSTEM AND INTERNAL COIL CONNECTIONS (ADVANCED ACCELERATOR MAIN RING, R KILPATRICK. 12/15/64, 2P)	AC0500 M3468
COIL	MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III. A GLICKSMAN. 3/19/56. ISSUED 6/25/63, 54P)	BE1305 M3089
COIL	MAGNET COIL IMPULSE TESTING (V ROMANO. 11/11/63, 4P)	AA0114 M3191
COIL	MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER. V KOPYTOFF. 1/6/64, 6P)	HE0102 M3224
COIL	PREFERRED PRACTICES FOR MAGNET COIL CONDUCTOR JOINTS AND TESTS (R BURLEIGH. 8/7/63, 10P)	AA0114 M3113
COIL	Q-4 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 1/24/63, R4/18/63, 4P)	SPEC. M344A
COIL	SUPERCONDUCTING SOLENOID, COIL DESIGN AND CALCULATIONS (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/4/65, 8P UCID 2443)	RC0102 M3473
COIL	SUPERCONDUCTING SOLENOID, HEATING OF COPPER CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/11/65, 20P UCID 2446)	RC0102 M3479
COIL	TOLERANCE ON MAGNET COIL LOCATION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 12/18/63, 4P)	AC0505 M3211
COIL	UPPER MAGNET COIL REPLACEMENT OF (72-INCH HYDROGEN BUBBLE CHAMBER. J HART. 10/7/64, 7P)	SPEC. M371
COIL	18-IN X 36-IN LP MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION (BEVATRON. I HALPERN. 11/22/63, 1P)	BE0705 M3198
COIL	8-AND 12-INCH TYPE QB QUADRUPOLE MAGNET COIL ASSEMBLIES (BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. R KILPATRICK. 3/19/63, R5/3/63, R5/6/63, 3P)	SPEC. M348B

COIL-IN-GAP	FIELD UNIFORMITY IN COIL-IN-GAP TYPE MAGNETS (R MEUSER. 3/29/63, 20P UCID 1881)	AA0114 M3026
COILS	INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185)	AB0108 M3306
COILS	MAGNET CONDUCTOR LENGTHS FOR FLAT COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 1P)	AC0505 M3155
COILS	MAGNET CONDUCTOR LENGTHS FOR SADDLE COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 2P)	AC0505 M3156
COILS	MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P)	HE0102 M3233
COILS	MAGNETS, SOLENOIDS, COILS.	GROUP AA0114
COILS	PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F CORSEBY. 4/1/63, 5P)	BE0906 M3022
COILS	VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P)	SPEC. M358
COILS	VACUUM IMPREGNATION OF MAGNET COILS WITH LRL EPOXY FORMULATION NO. CT2E (J TURNER. 11/8/63, R12/11/63, 5P)	SPEC. M360A
COLD-CATHODE	CALIBRATION OF CVC PHG-90 COLD CATHODE IONIZATION VACUUM GAUGE (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/26/65, 2P)	AA0112 M3484
COLLIMATOR	MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLES, A VIEGELMAN. 9/21/64 2P UCID 2420)	RP0104 M3443
COMMITTEE	MINUTES OF HYDROGEN SAFETY COMMITTEE	GROUP AA0300
COMMUNICATIONS	DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P BEAN. 12/20/64, 3P)	AA0102 M3515
COMMUNICATIONS	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421
COMPENSATING	COMPENSATING MAGNET DESIGN (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 2/3/65, 11P UCID 2458)	RC0102 M3496
COMPENSATING	TEMPERATURE DISTRIBUTION IN PROPOSED COMPENSATING MAGNET (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 9/8/64 R1/25/65, 17P.)	RC0102 M3411A

COMPONENTS	BID COSTS ON MAJOR MECHANICAL COMPONENTS (88-INCH CYCLOTRON. R BURLEIGH. 10/15/64, 4P UCID 2383)	CB0100 M3428
COMPONENTS	COST ESTIMATE, MECHANICAL COMPONENTS (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/1/65, 7P)	AC0200 M3506
COMPONENTS	DEVICES, COMPONENTS, TOOLS.	GROUP AA0118
COMPONENTS	MACHINE INSTALLATION, VISIBILITY OF MACHINE COMPONENTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/9/63, 3P)	RC0103 M3049
COMPONENTS	MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P)	RA0200 M3318
COMPONENTS	MOLECULAR BEAM REACTION CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G BEHRING. 9/4/64, 3P)	RA0200 M3404
COMPOSITE	PROPERTIES OF ORGANIC AND COMPOSITE MATERIALS	GROUP AA0106
COMPOSITIONS	INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185)	AB0108 M3306
COMPOUND	INVESTIGATION OF PERMATHEX NO. 2 SEALING COMPOUND AS VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. D VORKOEPEL. 7/3/64, 2P UCID 2403)	CB0121 M3359
COMPUTER	A PROPOSAL FOR FUTURE REPLACEMENT OF ANALOG COMPUTER (S JOHNSON. 2/24/64, 3P)	AA0123 M3271
COMPUTER	COMPUTER PROGRAMS FOR DESIGNING MAGNETS FOR MINIMUM COST (ADVANCED ACCELERATOR. R SCHWARZ. 7/9/63, 3P)	AC0500 M3095
COMPUTER	COST ESTIMATE FOR DEMONSTRATION OF COMPUTER CONTROL OF ADJUSTMENTS (88-INCH CYCLOTRON, MAGNET TRIMMING COILS. S JOHNSON. 8/31/64, 2P UCID 2402)	CB0103 M3399
COMPUTER	CURRENT LIST OF FORTRAN COMPUTER PROGRAMS (J SHIVELY. 6/19/64, 2P UCID 2278)	AA0123 M3347
COMPUTER	MAGNET SURVEY COMPUTER PROGRAM (BEVATRON MAGNET CORE. J WALTER. 3/11/64, 11P)	BE1201 M3286
COMPUTER	MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)	BE1201 M3448
COMPUTER	PROPOSALS FOR AN ANALOG COMPUTER INSTALLATION (S JOHNSON. 7/2/63, 2P)	AA0123 M3088
COMPUTER	THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS (S JOHNSON. 1/22/64, 10P)	AA0123 M3236
COMPUTER	TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S JOHNSON. 7/27/64, 1P)	AA0102 M3373

COMPUTERS	MATHEMATICS, DERIVATIONS, COMPUTERS, PROGRAMMING, ETC.	GROUP AA0123
CONCRETE	ACTUAL CONCRETE SHIELDING-BLOCK COSTS AND ESTIMATED UNIT VALUE BREAKDOWNS FOR 1964 (M ELLIOTT. 3/8/65, 5P)	AA0116 M3511
CONCRETE	CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. O CALLAHAN. 4/19/63, 8P UCID 2330)	BE0805 M3037
CONCRETE	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030
CONCRETE	CONCRETE SHIELDING-BLOCK (WEIGHT AND VOLUME RECAPITULATION) (BEVATRON. W SALSIG. 6/10/63, 1P)	BE1130 M3073
CONCRETE	HIGH-DENSITY, 300-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. T TAYLOR. 7/9/62, R8/64, R10/64, R2/5/65, 7P)	SPEC. M16C
CONCRETE	MAGNETITE OR HEMATITE HIGH-DENSITY 225-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. M POLIVKA. 4/10/62, R4/20/62, R6/12/63, R4/17/64, 5P)	SPEC. M15C
CONCRETE	PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P)	AC0409 M3244
CONCRETE	ROLLING CONCRETE SHIELDING ACCESS DOOR PLUG (ADVANCED ACCELERATOR. J SATTI. 3/3/65, 5P)	AC1200 M3508
CONCRETE	TRANSIENT RESPONSE TO EARTHQUAKE MOTION OF A CONTINUOUS CONCRETE BEAM 93-FT LONG (ONE CELL) (ADVANCED ACCELERATOR, MAIN RING MAGNET SUPPORT AND ENCLOSURE. S JOHNSON. 5/7/64, 10P)	AC0404 M3360
CONCRETE	300-LBS CF CONCRETE SHIELDING BLOCK COSTS (184-INCH CYCLOTRON. W BRUNK. 4/15/63, 2P)	CA0101 M3032
CONDENSER	CW DRIVER TUBE AND GRID CONDENSER COOLING (HEAVY ION ACCELERATOR. E HOYER. 6/26/63, 9P)	LA0102 M3141
CONDENSER	STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E MCLAUGHLIN. 7/31/63, 15P)	AT0102 M3111
CONDUCTION	ION SOURCE, GASEOUS HEAT CONDUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/30/63, 7P)	RC0103 M3044
CONDUCTIVITY	ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J ROSKELLEY. 2/4/64, 3P)	BE0705 M3256
CONDUCTOR	EDDY-CURRENTS IN A ROUND CONDUCTOR DUE TO AN EXTERNAL MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, MAGNETS. S JOHNSON. 6/16/64, 8P)	AC0303 M3358

CONDUCTOR	INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185)	AB0108 M3306
CONDUCTOR	MAGNET CONDUCTOR LENGTHS FOR FLAT COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 1P)	AC0505 M3155
CONDUCTOR	MAGNET CONDUCTOR LENGTHS FOR SADDLE COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 2P)	AC0505 M3156
CONDUCTOR	PREFERRED PRACTICES FOR MAGNET COIL CONDUCTOR JOINTS AND TESTS (R BURLEIGH. 8/7/63, 10P)	AA0114 M3113
CONDUCTOR	TEMPERATURE DISTRIBUTION IN A WATER COOLED HOLLOW CONDUCTOR (R SCHWARZ. 9/10/63, 9P)	AA0123 M3130
CONDUCTOR	VISITS TO PHELPS-DODGE, REVERE COPPER, ANACONDA AMERICAN BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R FREY. 6/13/63, 8P)	AA0114 M3079
CONDUCTORS	BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS (BEVATRON EXTERNAL PROTON BEAM. D MORRIS. 8/18/64, 1P UCID 2365)	BE0806 M3391
CONDUITS	MOLECULAR FLOW THROUGH HOT AND COLD CONDUITS (W CHAMBERLAIN. 9/20/63, 8P UCID 2334)	AA0112 M3148
CONFERENCE	ASME DESIGN ENGINEERING CONFERENCE AND SHOW, 1963 (TRIP REPORT. A BABIN, A GLICKSMAN, R KREVITT, F TOBY. 7/1/63-6P)	AA0102 M3093
CONFERENCE	ASME DESIGN ENGINEERING CONFERENCE 1964 (F BIERLEIN. 5/20/64, 6P)	AA0102 M3333
CONFERENCE	CORNELL, PRINCETON, CRYOGENIC ENGINEERING CONFERENCE (AUGUST, 1964) (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 8/24/64, 12P)	AC0300 M3407
CONFERENCE	DESIGN ENGINEERING CONFERENCE AND SHOW OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (CHICAGO, ILLINOIS, MAY 11-14, 1964) (CONFERENCE REPORT. D MORRIS. 5/25/64, 3P)	AA0102 M3332
CONFERENCE	JOINT AUTOMATIC CONTROLS CONFERENCE AT STANFORD UNIVERSITY 1964 (S JOHNSON. 7/3/64, 3P)	AA0102 M3361
CONFERENCE	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421
CONFERENCE	NINETEENTH ANNUAL INSTRUMENT SOCIETY OF AMERICA CONFERENCE AND EXHIBIT (TRIP REPORT. G BEHRING. 11/2/64 4P)	AA0102 M3446
CONFERENCE	REPORTS, TRIP, MEETING, CONFERENCE	GROUP AA0102

CONFERENCE	TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS, (ATLANTIC CITY, JANUARY 1964. TRIP REPORT. J TURNER. 2/10/64, 3P)	AA0102 M3260
CONFORMAL	APPROXIMATE INDUCTANCE CALCULATION FOR A MODIFIED CONFORMAL H MAGNET (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/25/64, 11P)	AC0505 M3261
CONFORMAL	CURRENT-DENSITY IN CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/31/64, 3P)	AC0505 M3254
CONFORMAL	NORMAL C AND CONFORMAL H MAGNETS (ADVANCED ACCELERATOR, MAIN RING. A ROBERTS. 5/12/64, 23P)	SPEC. M365
CONFORMAL	PRELIMINARY COMPARISON OF NORMAL H AND CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 11/13/63, 6P)	AC0500 M3181
CONGRESS	DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P BEAN. 12/20/64, 3P)	AA0102 M3515
CONSTRUCTION	CONSTRUCTION AND CHARACTERISTICS OF SOLENOID MAGNET IRIS, 5 IN ID, 20 KG (R WOLGAST. 8/12/64, 7P)	AA0114 M3387
CONSTRUCTION	CONSTRUCTION AND PERFORMANCE TESTS OF 2-1/2-IN. ID, 36-KG SUPERCONDUCTING COIL (R WOLGAST. 8/12/64, 4P)	AB0103 M3388
CONSTRUCTION	DESCRIPTION OF CONSTRUCTION ACCOUNTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R HINTZ. 7/9/63, 16P)	RC0103 M3092
CONSTRUCTION	SHIELDING FOR 100-PCT-LOAD-FACTOR COST ESTIMATE FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 3P)	LA0106 M3376
CONSTRUCTION	SHIELDING FOR 100-PCT-LOAD-FACTOR, 3-IN THICK STEEL PLATES REQUIRED FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 1P)	LA0106 M3378
CONSULTATION	CONSULTATION TRIP TO WESTERN-GOLD-AND-PLATINUM-COMPANY ON ALUMINA PART DESIGN AND PRODUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 12/6/63, 2P)	RC0103 M3204
CONTACT	DESIGN NEWS-SEMINAR ON ELECTRICAL CONTACT DESIGN (TRIP REPORT. L LUCAS. 10/22/63 2P)	AA0102 M3169
CONTRACT	MAIN VACUUM-SYSTEM, COMPARISON BETWEEN PRELIMINARY COST ESTIMATES AND CONTRACT BIDS (ADVANCED ACCELERATOR. F REINATH. 3/17/64, 2P)	AC0800 M3284
CONTROL	COST ESTIMATE FOR DEMONSTRATION OF COMPUTER CONTROL OF ADJUSTMENTS (88-INCH CYCLOTRON, MAGNET TRIMMING COILS. S JOHNSON. 8/31/64, 2P UCID 2402)	CB0103 M3399
CONTROL-SYSTEM	LIQUID NITROGEN LEVEL CONTROL-SYSTEM (R CHANEY. 5/13/63, 2P)	AB0102 M3050

CONTROL-SYSTEM	PULSE-LINE IGNITRON TEMPERATURE CONTROL-SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E HOYER. 5/31/63, 3P)	LA0101 M3067
CONTROLLED-TEMPERAT	CONTROLLED-TEMPERATURE WATER-SYSTEM CALIBRATION DATA (BEVATRON INJECTOR II. S JOHNSON. 2/21/63, 3P)	BE0905 M3006
CONTROLS	JOINT AUTOMATIC CONTROLS CONFERENCE AT STANFORD UNIVERSITY 1964 (S JOHNSON. 7/3/64, 3P)	AA0102 M3361
CONVEYOR	CONVEYOR LINE FACILITY, BUILDING 171, SUGGESTED ASSEMBLY PROCEDURE (J HAUGHIAN. 8/22/63 R9/4/63, 2P)	AB0400 M3120A
COOLING	AN APPRAISAL OF WATER COOLING HOSES (BEVATRON. S WASILIK. 12/4/63 33P)	BE0705 M3208
COOLING	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64. R4/8/64, 3P)	BE0503 M3276A
COOLING	COOLING OF FERRITE IN RF CAVITIES BY WATER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. R WOLGAST. 6/19/64, 12P)	AC0304 M3348
COOLING	COOLING OF FERRITE IN RF CAVITIES BY FORCED AIR (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, RF SYSTEM. R WOLGAST. 7/29/64, 15P)	AC0304 M3381
COOLING	COOLING POST-STRIPPER DRIFT-TUBE STEM BELLOWS (HEAVY ION ACCELERATOR. E HOYER, R BYRNS, R PARSONS. 6/29/64, 23P)	LA0103 M3354
COOLING	COOLING WATER FLOW REQUIREMENTS FOR TUNING LOOPS (HEAVY ION ACCELERATOR, 100-PCT-DUTY-FACTOR-OPERATION. E HOYER. 7/16/63, 2P)	LA0105 M3097
COOLING	COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P)	LA0107 M3463
COOLING	COOLING WATER FLOW ANALYSIS OF POST-STRIPPER TANK (HEAVY ION ACCELERATOR. J SATTI. 12/14/64, 17P)	LA0107 M3464
COOLING	CW BUNCHER, COOLING CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 6/25/63, 7P)	LA0102 M3084
COOLING	CW DRIVER TUBE AND GRID CONDENSER COOLING (HEAVY ION ACCELERATOR. E HOYER. 6/26/63, 9P)	LA0102 M3141
COOLING	DEE COOLING AND STRUCTURAL CALCULATIONS (88-INCH CYCLOTRON. J HAUGHIAN. 4/8/64, 19P)	CB0112 M3296
COOLING	ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J ROSKELLEY. 2/4/64, 3P)	BE0705 M3256
COOLING	EXTRA COOLING FOR HEADS AND HALF DRIFT-TUBES (HEAVY ION ACCELERATOR. W BRUNK. 8/19/64, 7P)	LA0107 M3395
COOLING	FLOW SWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P)	BE0905 M3351

COOLING	HEAT LOADS AND COOLING WATER REQUIREMENTS (HEAVY ION ACCELERATOR PRE AND POST STRIPPER COOLING. R BYRNS. 7/24/64, 2P)	LA0107 M3417
COOLING	HEATING AND COOLING OF LARGE OPTICAL GLASS PARTS (25-INCH HYDROGEN BUBBLE CHAMBER. D NORGREN. 8/11/64, 3P)	HE0106 M3386
COOLING	MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P)	LA0105 M3070
COOLING	POWER-SUPPLIES, COOLING (88-INCH CYCLOTRON, MAGNET TRIMMING COILS D VORKOEPEL. 1/29/64, 2P)	CB0103 M3250
COOLING	PRE-STRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY ION ACCELERATOR. R BYRNS. 7/21/64, 17P)	LA0107 M3415
COOLING	PRESTRIPPER TANK GRILL COOLING REQUIREMENTS AT 100-PCT-DUTY-CYCLE (HEAVY ION ACCELERATOR. J SATTI. 9/9/64, 18P)	LA0107 M3409
COOLING	QB MAGNETS, COOLING REQUIREMENTS AND ORIFICE SELECTION (BEVATRON, EXPERIMENTAL FACILITIES. V FLETCHER. 1/13/65, 3P)	BE0705 M3480
COOLING	TEMPERATURE DIFFERENCE BETWEEN THE COOLING WATER AND THE INSIDE OF THE TANK WALL (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 21P)	LA0107 M3466
COOLING	TEMPERATURE-DROP BETWEEN HEATED SHEET AND COOLING TUBE (88-INCH CYCLOTRON DEE. J HAUGHIAN. 4/10/64, 2P)	CB0112 M3303
COOLING	4-1/2-PCT-DUTY-FACTOR-OPERATION, DRIFT-TUBE STEM AND SHELL COOLING REQUIREMENTS (HEAVY ION ACCELERATOR. E HOYER. 4/13/62, 10P)	LA0105 M3069
COOLING-SYSTEM	COOLING-SYSTEM MAINTENANCE CHECKLIST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/23/63, 7P)	BE0905 M3108
COOLING-SYSTEM	STRESS ANALYSIS OF POST-STRIPPER TANK WITH THE NEW WATER JACKET COOLING-SYSTEM (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 31P)	LA0107 M3465
COORDINATE	PRECISION MIRROR TILTING IN TWO COORDINATE PLANES (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/23/64 R11/17/64 3P UCID 2422)	AA0901 M3447A
COPPER	MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P)	HE0102 M3233
COPPER	RADIO-FREQUENCY RESISTIVITY OF ROUGH OFHC COPPER AT 140 MC (BEVATRON, INJECTOR II. W FISHER, R NICKERSON. 8/30/62, 6P)	BE0905 M3366
COPPER	STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E MCLAUGHLIN. 7/31/63, 15P)	AT0102 M3111

COPPER	SUPERCONDUCTING SOLENOID, HEATING OF COPPER CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/11/65, 20P UCID 2446)	RC0102 M3479
COPPER	VISITS TO PHELPS-DODGE, REVERE COPPER, ANACONDA AMERICAN BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R FREY. 6/13/63, 8P)	AA0114 M3079
COPPER	WATER COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P)	CB0125 M3213
CORE CORES	BEVATRON MAGNET CORE. REDUCING STRESS VARIATION IN MAGNET CORES WITH LEG AT ENDS (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 5/12/64, 4P)	GROUP BE1200 AC0505 M3326
CORNELL	CORNELL, PRINCETON, CRYOGENIC ENGINEERING CONFERENCE (AUGUST, 1964) (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 8/24/64, 12P)	AC0300 M3407
CORRECTING	PRELIMINARY COST ESTIMATE OF CORRECTING MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/28/64, 1P)	AC0500 M3248
CORROSION	DRIFT-TUBE MAGNET COIL CORROSION RATE TEST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/8/63, 3P)	BE0905 M3091
COST	ADDITIONAL PROPOSAL AND COST ESTIMATE (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 5/4/64, 3P)	RB0108 M3323
COST	ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P)	RC0106 M3157
COST	BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64 8P)	CB0201 M3438
COST	BEAM EXTRACTION MAGNETS, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 11/9/64 6P)	AC1001 M3451
COST	BOOSTER CAPITAL COST AS A FUNCTION OF BEAM ENERGY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 9/64 30P)	AC0300 M3452
COST	BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. H HERNANDEZ. 12/21/64, 14P)	AC0300 M3475
COST	BRUTUS STEERING MAGNET, COST SUMMARY (HEAVY ION ACCELERATOR. R HINTZ. 4/12/63, 2P)	LA0102 M3025
COST	CENTER REGION STUDIES COST ESTIMATE (184-INCH CYCLOTRON PROPOSED IMPROVEMENTS. J VALE, K CROWE, R BURLEIGH. 4/10/64, 2P)	CA0100 M3300

COST	CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST ESTIMATES (FOR 150 FT, 132 FT, AND 114 FT DIA STRUCTURES) (ADVANCED ACCELERATOR, MAIN RING MAJOR EQUIPMENT ACCESSWAY, STUDIES NO. 11 AND NO. 12. O CALLAHAN. 3/4/64, 4P)	AC0411 M3279
COST	COMPUTER PROGRAMS FOR DESIGNING MAGNETS FOR MINIMUM COST (ADVANCED ACCELERATOR. R SCHWARZ. 7/9/63, 3P)	AC0500 M3095
COST	COST ESTIMATE BASED ON 1/8-SIZE MODEL (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. L GLASGOW. 8/30/63, 1P)	RB0108 M3129
COST	COST ESTIMATE FOR DEMONSTRATION OF COMPUTER CONTROL OF ADJUSTMENTS (88-INCH CYCLOTRON, MAGNET TRIMMING COILS. S JOHNSON. 8/31/64, 2P UCID 2402)	CB0103 M3399
COST	COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF SOLIDS. G BEHRING. 10/9/63, 3P)	RA0203 M3161
COST	COST ESTIMATE, MECHANICAL COMPONENTS (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/1/65, 7P)	AC0200 M3506
COST	COST ESTIMATE, ZERO ORDER, MAGNET-ENCLOSURE, MAGNET AND VACUUM-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 1/27/64, 12P)	AC0300 M3258
COST	COST ESTIMATES FOR 2 AND 6 GEV INJECTION, C AND H MAGNET LAYOUTS (ADVANCED ACCELERATOR, MAGNET SUPPORT BEAMS AND FOUNDATIONS. W SALSIG. 1/23/64, 17P UCID 2089)	AC0404 M3243
COST	COST ESTIMATES FOR PROPOSED TARGET AREAS (HEAVY ION ACCELERATOR, PROPOSED IMPROVEMENTS. E HOYER. 2/17/64, 3P)	LA0100 M3262
COST	COST OF MAGNETS, DECEMBER 1962 - DECEMBER 1963 (L HENDERSON. 8/5/64, 4P UCID 2341)	AA0114 M3383
COST	COST OF SUPERCONDUCTING MAGNETS (H HERNANDEZ. 3/31/63, 8P)	AB0103 M3018
COST	COST SUMMARY MAGNET SUPPORT STANDS (MECHANICAL ENGINEERING, GENERAL. S RICE. 2/4/65, 3P)	AA0103 M3492
COST	DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON REGENERATIVE DEFLECTION SYSTEM. R BURLEIGH. 7/29/64 R9/3/64, 5P UCID 2379)	CB0125 M3380A
COST	EXPERIMENTAL AREA, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/28/64, 1P)	AC1100 M3247
COST	EXTERNAL PROTON BEAM COST ESTIMATE SUMMARY 1/1/64 (PHASE IB AND II) (BEVATRON. D MORRIS. 8/13/63 R11/13/63 R2/3/64, 5P)	BE0801 M3127B
COST	FINAL PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW. 4/15/64, 7P)	RB0108 M3307

COST	FOUR DESIGNS FOR SITES REQUIRING DEEP FOUNDATIONS, PRELIMINARY COST COMPARISON (ADVANCED ACCELERATOR, MAGNET ENCLOSURE. W SALSIG 12/20/63, 16P UCID 2067)	AC0409 M3226
COST	INJECTOR, MECHANICAL HARDWARE AND ENGINEERING, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P)	AC0300 M3246
COST	LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRING. 10/23/64, 3P)	RC0102 M3435
COST	MACHINE INSTALLATION BUILDING-70, COST ESTIMATE OF BUILDING MODIFICATION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F. BUCHTEL. 5/22/63, 1P)	RC0103 M3058
COST	MAGNET COST GRAPHS (R MEUSER. 8/4/64, 7P UCID 2338)	AA0114 M3382
COST	MAIN VACUUM-SYSTEM COST ESTIMATE (ADVANCED ACCELERATOR. F REINATH. R1/24/64 R3/17/64, 8P UCID 2152)	AC0800 M3241B
COST	MAIN VACUUM-SYSTEM, COMPARISON BETWEEN PRELIMINARY COST ESTIMATES AND CONTRACT BIDS (ADVANCED ACCELERATOR. F REINATH. 3/17/64, 2P)	AC0800 M3284
COST	MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P)	LA0105 M3070
COST	MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P)	RA0200 M3318
COST	MOLECULAR BEAM REACTION CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G BEHRING. 9/4/64, 3P)	RA0200 M3404
COST	NEW BUBBLE-CHAMBER BODY, COST AND TIME ESTIMATE (72-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ, F BARRERA. 5/10/63, 3P UCID 1901)	HD0102 M3052
COST	PARAMETER SELECTION COST SUMMARY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 12/21/64, 17P)	AC0300 M3471
COST	PATIENT POSITIONER PRELIMINARY PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW, N YANNI. 4/9/64, 13P)	RB0108 M3301
COST	PHYSICS CAVE SHIELDING COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 9/3/63 R10/24/63, 2P)	CA0202 M3142A
COST	PHYSICS CAVE SHIELDING, INCREMENT I COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 4/17/63 R4/25/63, 4P)	CA0202 M3031A

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COST	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/11/63, 2P)	CA0202 M3222
COST	PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W. SALSIG. 1/24/64, 1P)	AC0409 M3244
COST	PRELIMINARY COST ESTIMATE OF CORRECTING MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R. KILPATRICK. 1/28/64, 1P)	AC0500 M3248
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COSTS	ACCELERATING WAVEGUIDE COSTS (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R. MEUSER. 6/12/64, 1P)	AC0200 M3341
COSTS	ACTUAL CONCRETE SHIELDING-BLOCK COSTS AND ESTIMATED UNIT VALUE BREAKDOWNS FOR 1964 (M. ELLIOTT. 3/8/65, 5P)	AA0116 M3511
COSTS	BID COSTS ON MAJOR MECHANICAL COMPONENTS (88-INCH CYCLOTRON. R. BURLEIGH. 10/15/64, 4P UCID 2383)	CB0100 M3428
COSTS	COSTS, TIME-STUDIES, ESTIMATING	GROUP AA0103
COSTS	300-LBS CF CONCRETE SHIELDING BLOCK COSTS (184-INCH CYCLOTRON. W. BRUNK. 4/15/63, 2P)	CA0101 M3032

COUNTER	OPERATING INSTRUCTIONS AND CHECK-LIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A GLICKSMAN. 5/15/63, 3P)	BE0709 M3055
COUNTER	OPERATING INSTRUCTIONS AND CHECK-LIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A GLICKSMAN. 3/21/63, 3P)	BE0709 M3004
COUNTER	150-PSI NITROGEN CERENKOV COUNTER, OPERATING CHECK-LIST (BEVATRON SLAC RESEARCH GROUP. J FIEDLER. 6/30/64, 3P)	BE0709 M3356
COUNTER	2000 P.S.I. METHANE COUNTER OPERATION CHECK-LIST AND PROCEDURE (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 9/27/63 R10/3/63, 5P)	BE0709 M3151A
COUNTERS	A REFLECTIVE COATING OF MAGNESIA AND SODIUM SILICATE FOR CERENKOV COUNTERS (H KRAFF, J BYCE. 9/30/64, 2P)	AA0500 M3425
COUNTERS	OPERATIONS CHECK-LIST AND PROCEDURES, METHANE COUNTERS 2000 P.S.I. AND 300 P.S.I. (BEVATRON EXPERIMENTAL FACILITIES, LOFGREN P-P INTERACTIONS EXPERIMENT. J FIEDLER. 12/18/64, 5P)	BE0709 M3469
COUPLING	STATIC TEST OF COUPLING FOR TRAVELING TARGET (BEVATRON. K STONE. 9/18/63, 2P)	BE0702 M3135
CRANE	DESIGN OF ROOF JIB CRANE (BEVATRON HANDLING EQUIPMENT. S WORTMAN. 11/8/64, 12P)	BE0610 M3459
CRANE	EXAMINATION OF 30-TON A CRANE HOOK (BEVATRON. J SHIVELY. 5/27/63, 2P)	BE0610 M3062
CREEP	YEARLY DEFLECTION INCREASE DUE TO CREEP AND SHRINKAGE FOR 1 AND 2 CELL BEAMS (TROXELL, RAPHAEL, DAVIS CRITERIA) (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT BEAMS. W SALSIG. 4/25/64, 3P)	AC0404 M3321
CRITERIA	SOME CRITERIA FOR FLOW INTERLOCKS (R BURLEIGH. 11/14/63, 3P UCID 2231)	AA0118 M3183
CRITERIA	ULTRA-HIGH VACUUM DESIGN CRITERIA (CHEMISTRY RESEARCH. R REIMERS. 6/19/64 R6/29/64, 1P UCID 2279)	RC0100 M3350A
CROSS-SECTION	CROSS-SECTION PARAMETERS FOR BEAMS (8-FT TO 15-FT DEEP) (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 1/24/64, 7P)	AC0404 M3242
CROSSOVER	18-IN X 36-IN LP MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION (BEVATRON. I HALPERN. 11/22/63, 1P)	BE0705 M3198
CRYOGENIC	CORNELL, PRINCETON, CRYOGENIC ENGINEERING CONFERENCE (AUGUST, 1964) (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 8/24/64, 12P)	AC0300 M3407
CRYOGENIC	CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)	AT0102 M3497

CRYOSTAT	NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING, H MASECK. 9/16/63, 23P UCID 1988)	RA0203 M3147
CUBIC	MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P)	AA0501 M3482
CUBIC-EQUATION	WORK SHEET FOR SOLVING A CUBIC-EQUATION (R SCHWARZ. 3/21/63, 1P)	AA0123 M3009
CUP	INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P)	BE0907 M34208
CUPID	CUPID 2 1/4-IN DIA QUADRUPOLE MAGNET, COIL POTTING (HEAVY ION. ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T HENDERSON. 1/29/65, 2P)	LA0102 M3491
CURRENT	CURRENT CARRYING CAPACITY OF SEVERAL UCLRL TUBING FITTINGS (INORGANIC MATERIALS RESEARCH, SEARCY, HIGH TEMPERATURE CHEMISTRY. G BEHRING. 2/19/64, 5P)	RA0201 M3266
CURRENT	HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P)	AA0112 M3217
CURRENT-AWARENESS	TECHNICAL INFORMATION-SYSTEM AND CURRENT AWARENESS 3M MICROFORUM, (DECEMBER 6, 1963) (TRIP REPORT. J RATCLIFFE. 1/31/64, 6P)	AA0102 M3253
CURRENT-DENSITY	CURRENT-DENSITY IN CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/31/64, 3P)	AC0505 M3254
CVC	CALIBRATION OF CVC PHG-90 COLD CATHODE IONIZATION VACUUM GAUGE (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/26/65, 2P)	AA0112 M3484
CYCLOTRON	A METHOD FOR SHAPING THE 88-INCH CYCLOTRON MAGNETIC FIELD FOR ISOCHRONOUS ACCELERATION (88-INCH CYCLOTRON. F SELPH. 8/12/63, 22P UCID 1983)	CB0101 M3122
CYCLOTRON	184-IN CYCLOTRON ALPHA BEAM STABILITY STUDY (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 2/10/64, 8P)	RB0108 M3297
CYCLOTRON	184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT.	GROUP CA0300
CYCLOTRON	184-IN CYCLOTRON, GENERAL	GROUP CA0100
CYCLOTRON	184-IN CYCLOTRON, IMPROVEMENTS	GROUP CA0200
CYCLOTRON	88-IN CYCLOTRON, ACCESSORY EQUIPEMNT.	GROUP CB0200
CYCLOTRON	88-IN CYCLOTRON, GENERAL	GROUP CB0300
CYCLOTRON	88-IN CYCLOTRON, MECHANICAL	GROUP CB0100

CYLINDRICAL	BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P)	AA0113 M3011
DALL-TUBE	THE DALL-TUBE FLOW INTERLOCK (A FIRST LOOK) (BEVATRON INJECTOR II S JOHNSON. 7/18/63, 4P)	BE0905 M3098
DE-SPIKER	DE-SPIKER RESISTOR (HEAVY ION ACCELERATOR. J HAUGHIAN. 10/16/64, 3P)	LA0102 M3430
DEE	DEE COOLING AND STRUCTURAL CALCULATIONS (88-INCH CYCLOTRON. J HAUGHIAN. 4/8/64, 19P)	CB0112 M3296
DEE	SPARE DEE DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64, 3P UCID 2378)	CB0112 M3379
DEFINING	INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P)	BE0907 M3420B
DEFLECTING	INHOMOGENEOUS DEFLECTING MAGNET CALCULATIONS (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC. S JOHNSON. 6/11/63, 9P)	RA0204 M3121
DEFLECTION	BEAM SIZES, STRESSES, SPACING AND DEFLECTION, COMMERCIAL WF BEAMS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATION AND SUPPORTS, HALF-CELL LONG STEEL BEAMS. W SALSIG. 8/6/64, 6P)	AC0404 M3336
DEFLECTION	EXTERNAL BEAM DEFLECTION MAGNET POLARITY (BEVATRON, EXTERNAL PROTON BEAM. A LAKE. 5/6/64, 5P UCID 2337)	BE0804 M3327
DEFLECTION	PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 11/1/63, 4P)	AC0404 M3229
DEFLECTION	YEARLY DEFLECTION INCREASE DUE TO CREEP AND SHRINKAGE FOR 1 AND 2 CELL BEAMS (TROXELL, RAPHAEL, DAVIS CRITERIA) (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT BEAMS. W SALSIG. 4/25/64, 3P)	AC0404 M3321
DEFLECTIONS	DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED UNIFORM BEAMS (R MEUSER. 11/8/63, 7P)	AA0129 M3194
DEFLECTIONS	NEW BUBBLE-CHAMBER BODY STRESS ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P)	HD0102 M3410
DEFLECTIONS	NEW BUBBLE-CHAMBER BODY STRESS ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P)	HD0102 M3427
DEMAGNETIZATION	NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING, H MASECK. 9/16/63, 23P UCID 1988)	RA0203 M3147

DEMONSTRATION	COST ESTIMATE FOR DEMONSTRATION OF COMPUTER CONTROL OF ADJUSTMENTS (88-INCH CYCLOTRON, MAGNET TRIMMING COILS. S. JOHNSON. 8/31/64, 2P UCID 2402)	CB0103 M3399
DEPARTMENTAL DERIVATIONS DESIGN	DEPARTMENTAL, MISC. MATHEMATICS, DERIVATIONS, COMPUTERS, PROGRAMMING, ETC. ASME DESIGN ENGINEERING CONFERENCE AND SHOW, 1963 (TRIP REPORT. A. BABIN, A. GLICKSMAN, R. KREVITT, F. TOBY. 7/1/63, 6P)	GROUP AA0100 GROUP AA0123 AA0102 M3093
DESIGN	ASME DESIGN ENGINEERING CONFERENCE 1964 (F. BIERLEIN. 5/20/64, 6P)	AA0102 M3333
DESIGN	AUXILIARY MAGNET M4, DESIGN OF YOKE LAMINATION BOLTS (BEVATRON EXTERNAL PROTON BEAM. A. LAKE. 7/23/63, 15P UCID 2333)	BE0804 M3103
DESIGN	BASEMENT SLIDING STEEL DOOR, DESIGN CALCULATIONS (HEAVY ION ACCELERATOR. E. HOYER. 5/19/64, 3P)	LA0102 M3330
DESIGN	BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R. HINTZ. 7/16/64, 9P UCID 2405)	CB0201 M3370
DESIGN	BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R. HINTZ. 8/31/64, 8P)	CB0201 M3438
DESIGN	BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R. MEUSER. 3/26/63, 7P)	AA0113 M3011
DESIGN	C MAGNET, 13 IN X 24 IN X 2 1/2 IN GAP, DESIGN CALCULATIONS (K. MIRK. 9/23/64, 7P)	AA0114 M3416
DESIGN	CAVE I BENDING MAGNET DESIGN CALCULATIONS (88-INCH CYCLOTRON. B. MORGAN, R. PETERS. 11/19/63, 10P)	CB0201 M3316
DESIGN	COMPENSATING MAGNET DESIGN (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G. BEHRING. 2/3/65, 11P UCID 2458)	RC0102 M3496
DESIGN	CONSULTATION TRIP TO WESTERN-GOLD-AND-PLATINUM-COMPANY ON ALUMINA PART DESIGN AND PRODUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R. REIMERS. 12/6/63, 2P)	RC0103 M3204
DESIGN	DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P. BEAN. 12/20/64, 3P)	AA0102 M3515
DESIGN	DESIGN AND TEST OF 3-SECTOR STAINLESS-STEEL STANCHION, (QUADRANT II, 89-DEG AREA) (BEVATRON. A. GLICKSMAN, H. GRUNDER. 5/6/63, 24P)	BE1210 M3042
DESIGN	DESIGN ENGINEERING CONFERENCE AND SHOW OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (CHICAGO, ILLINOIS, MAY 11-14, 1964) (CONFERENCE REPORT. D. MORRIS. 5/25/64, 3P)	AA0102 M3332

DESIGN	DESIGN FOR HOSE BARBS FOR 1/4-IN I.D. WEATHERHEAD H-9 HOSE (PROPOSED) (BEVATRON. S WASILIK. 3/12/64, 3P)	BE0705 M3293
DESIGN	DESIGN NEWS-SEMINAR ON ELECTRICAL CONTACT DESIGN (TRIP REPORT. L LUCAS. 10/22/63 2P)	AA0102 M3169
DESIGN	DESIGN NEWS-SEMINAR ON ELECTRICAL CONTACT DESIGN (TRIP REPORT. L LUCAS. 10/22/63 2P)	AA0102 M3169
DESIGN	DESIGN OF PLATFORM REINFORCEMENT FOR HIGHER FLOOR LOADING (BEVATRON. A GLICKSMAN. 4/26/56 ISSUED 12/10/63, 36P)	BEO601 M3207
DESIGN	DESIGN OF QUADRANT END 2-DEG TOP SHIELDING BLOCK, (QR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 18P)	BE1130 M3462
DESIGN	DESIGN OF QUADRANT END 2-DEG BOTTOM SHIELDING BLOCK, (QR-7) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 25P)	BE1130 M3461
DESIGN	DESIGN OF ROOF JIB CRANE (BEVATRON HANDLING EQUIPMENT. S WORTMAN. 11/8/64, 12P)	BE0610 M3459
DESIGN	DESIGN OF TANGENT CENTER BOTTOM SHIELDING BLOCKS, (TR-6, TR-7, TR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 21P)	BE1130 M3460
DESIGN	DESIGN OF VACUUM GATE VALVE (BEVATRON, BEAM EXIT, QUADRANT II, 89-DEG AREA. A GLICKSMAN. 8/15/63, 9P)	BE1805 M3272
DESIGN	FLOW SWITCH DESIGN UTILIZING DIFFUSER RECOVERY (HEAVY ION ACCELERATOR. E HOYER. 5/26/64, 19P)	LA0103 M3334
DESIGN	FOIL ROLLING MILL DESIGN CALCULATIONS (CHEMISTRY RESEARCH, 88-IN CYCLOTRON NUCLEAR REACTIONS GROUP. J WAGNER. 12/17/63, 17P)	RC0100 M3218
DESIGN	J GROOVE DESIGN AND DATA FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/21/63, 4P)	AA0117 M3199A
DESIGN	J GROOVE DESIGN FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/6/63 R12/11/63, 5P)	AA0117 M3175A
DESIGN	J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P)	SPEC. M361A
DESIGN	LIST OF REQUIRED MAGNET DESIGN PARAMETERS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/7/64, 2P)	AC0501 M3257
DESIGN	M-3 V AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/8/63, 9P)	BE0804 M3094
DESIGN	M-4V MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 1/29/65, 11P)	BE0804 M3490
DESIGN	M-5 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 11/7/63 R2/4/64, 32P)	BE0804 M3177A
DESIGN	M-6 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 8/26/63 R3/3/64, 19P UCID 2336)	BE0804 M3176A

DESIGN	MULTI-ORIFICE FOR FLOW SWITCH, DESIGN AND FLOW CHECK (BEVATRON INJECTOR II LINAC. W. EATON. 6/18/64 R1/12/64, 3P UCID 2411)	BE0905 M3346A
DESIGN	PATIENT POSITIONER DESIGN AND DEVELOPMENT (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F. BIERLEIN. 4/15/64 R5/8/64 R6/1/64, 3P)	RB0108 M3308B
DESIGN	PRELIMINARY SURVEY OF MAGNET DESIGN PROBLEMS (ADVANCED ACCELERATOR, MAIN RING. R. KILPATRICK. 9/27/63, 7P)	AC0501 M3154
DESIGN	SUPERCONDUCTING SOLENOID, COIL DESIGN AND CALCULATIONS (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R. HINTZ. 1/4/65, 8P UCID 2443)	RC0102 M3473
DESIGN	THE ECONOMY OF HIGH MAGNETIC FIELDS IN THE DESIGN OF LARGE STEERING MAGNETS (R. HINTZ. 12/20/63, 2P)	AA0114 M3219
DESIGN	ULTRA-HIGH VACUUM DESIGN CRITERIA (CHEMISTRY RESEARCH. R. REIMERS. 6/19/64 R6/29/64, 1P UCID 2279)	RC0100 M3350A
DESIGN	VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G. EDWARDS. 12/22/64, 3P)	BE0708 M3472
DESIGN	18 X 60 H MAGNET, DESIGN AND COST ESTIMATE (BEVATRON. J. WALTER. 3/5/64, 10P UCID 2129)	BE0705 M3275
DESIGN	20 AND 40 GPM FLOW SWITCH DESIGN (HEAVY ION ACCELERATOR, CW. DRIVER. E. HOYER. R11/17/63, 5P)	LA0102 M3140B
DESIGN	30-TON TRANSFER BEAM DESIGN (BEVATRON. H. FALSTER. 4/62 PUBLISHED 4/29/64, 9P UCID 2215)	BE0610 M3317
DESIGNING	COMPUTER PROGRAMS FOR DESIGNING MAGNETS FOR MINIMUM COST (ADVANCED ACCELERATOR. R. SCHWARZ. 7/9/63, 3P)	AC0500 M3095
DESIGNS	FOUR DESIGNS FOR SITES REQUIRING DEEP FOUNDATIONS, PRELIMINARY COST COMPARISON (ADVANCED ACCELERATOR, MAGNET ENCLOSURE. W. SALSIG. 12/20/63, 16P UCID 2067)	AC0409 M3226
DESY	VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F. REINATH. 10/11/63, 6P)	AA0102 M3158
DETECTOR	A SENSITIVE TEMPERATURE DEVIATION DETECTOR (CHEMISTRY RESEARCH. BETA AND GAMMA RAY SPECTROSCOPY. S. JOHNSON. 3/25/63, 6P)	RC0101 M3038
DETERMINATION	DETERMINATION OF FINAL GASKET BEARING PAD DIMENSIONS (25-INCH HYDROGEN BUBBLE CHAMBER. J. MYALL. 7/19/63, 13P)	HE0103 M3101
DETERMINATION	EXPERIMENTAL DETERMINATION OF THE INERTIA OF THE MK VIII GAP-MOUNTED FLIP TARGET DRIVE (BEVATRON EXPERIMENTAL FACILITIES. S. JOHNSON. 1/15/65, 34P)	BE0702 M3485

DEUTERIUM	LIQUID DEUTERIUM TARGET FOR ARGONNE (R WOLGAST. 8/28/64, 3P UCID 2352)	AT0102 M3402
DEUTERIUM	STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E MCLAUGHLIN. 7/31/63, 15P)	AT0102 M3111
DEUTSCHE	VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F REINATH. 10/11/63, 6P)	AA0102 M3158
DEVELOPMENT	GRADIENT MAGNET POLE FACE DEVELOPMENT (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON MAGNETS. V KOPYTOFF. 12/16/64, 5P)	AC0303 M3470
DEVELOPMENT	PATIENT POSITIONER DESIGN AND DEVELOPMENT (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 4/15/64 R5/8/64 R6/1/64, 3P)	RB0108 M33088
DEVIATION	A SENSITIVE TEMPERATURE DEVIATION DETECTOR (CHEMISTRY RESEARCH. BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 3/25/63, 6P)	RC0101 M3038
DEVICE	A DEVICE FOR RAPID AND THOROUGH CHECKING OF LEAD SCREWS (J HODGES 9/10/64, 2P UCID 2362)	AA0501 M3408
DEVICE	BEAM PATTERN DEVICE, SOME PRELIMINARY CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 3/13/63, 6P)	BE0906 M3003
DEVICE	WATER COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P)	CB0125 M3213
DEVICES	CALCULATING RELIABILITY FOR ENGINEERING DEVICES (TECHNICAL MEETING TALK 12-11-63. W SALSIG. 1/30/64, 10P)	AA0100 M3273
DEVICES	DEVICES, COMPONENTS, TOOLS.	GROUP AA0118
DEWAR	HYDROGEN TARGET OPERATING PROCEDURE WITH 150-LITER DEWAR (E MCLAUGHLIN. 10/8/64, 5P UCID 3281)	AT0101 M3419
DEWAR	LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRING. 10/23/64, 3P)	RC0102 M3435
DEWAR	RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P)	RC0102 M3392
DEWARS	UNATTENDED INDUSTRIAL-TYPE LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/11/63, 1P)	AA0300 M3206
DIAGNOSTIC	DIAGNOSTIC INSTRUMENT PACKAGE USING STEEL VESSEL, PRELIMINARY INVESTIGATION (R MEUSER. 3/28/63, 11P)	AB0402 M3021

DIAZO	DIAZO PRINT MACHINE (PURCHASE SPECIFICATION FOR MECHANICAL ENGINEERING DEPARTMENT. P BEAN, 5/17/63, 3P)	SPEC. M354
DIAZO	DIAZO PRINT MACHINE (MECHANICAL ENGINEERING DEPARTMENT. P BEAN. 2/16/65, 4P)	SPEC. M376
DIFFUSER	FLOW SWITCH DESIGN UTILIZING DIFFUSER RECOVERY (HEAVY ION ACCELERATOR. E HOYER. 5/26/64, 19P)	LA0103 M3334
DIFFUSION	MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273)	AA0112 M3342
DIGITIZER	FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R WEBER. 2/11/65, 4P)	SPEC. M375
DIODE	DIODE CIRCUITS FOR NON-LINEAR SIMULATION (S JOHNSON. 1/13/64, 9P UCID 2073)	AA0123 M3234
DISC	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64. R4/8/64, 3P)	BE0503 M3276A
DISCHARGE	GLOW DISCHARGE CLEANING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/25/63, 4P)	RC0103 M3015
DISPERSIVE	DISPERSIVE POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS (INORGANIC MATERIALS RESEARCH LOW-TEMPERATURE PROPERTIES OF MATERIALS. D NORRGREN. 7/30/64, 3P UCID 2340)	RA0203 M3335
DISSEMINATION	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421
DISSIPATION	100-PCT-DUTY-FACTOR-OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P)	LA0105 M3066
DISSOLVED	OPERATION OF MAGNA DISSOLVED OXYGEN-CONTENT METER (BEVATRON INJECTOR II. S JOHNSON. 8/22/63, 2P)	BE0905 M3124
DOCUMENT	DOCUMENT PREPARATION, INDEXING, RETRIEVAL.	GROUP AA0128
DOCUMENTATION-SYSTEM	ENGINEERING DOCUMENTATION-SYSTEM, (CONSIDERATIONS AND CHECKLIST) (P BEAN. 10/17/63, 3P)	AA0128 M3163
DOCUMENTS	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421

DOVE	ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W POPE, J HUGULEY. 11/7/63, 3P)	AT0102 M3180
DOOR	BASEMENT SLIDING STEEL DOOR, DESIGN CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 5/19/64, 3P)	LA0102 M3330
DOOR	CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST ESTIMATES (FOR 150 FT, 132 FT, AND 114 FT DIA STRUCTURES) (ADVANCED ACCELERATOR, MAIN RING MAJOR EQUIPMENT ACCESSWAY, STUDIES NO. 11 AND NO. 12. O CALLAHAN. 3/4/64, 4P)	AC0411 M3279
DOOR	ROLLING CONCRETE SHIELDING ACCESS DOOR PLUG (ADVANCED ACCELERATOR. J SATTI. 3/3/65, 5P)	AC1200 M3508
DRAFTING	DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P BEAN. 12/20/64, 3P)	AA0102 M3515
DRAWING	COLD DEEP DRAWING OF POLYESTER FILM (W POPE, J HUGULEY, E MCLAUGHLIN. 11/20/63, 2P)	AT0102 M3197
DRAWING	LINAC DRIFT-TUBE MAGNETS, DRAWING NUMBERS (BEVATRON INJECTOR II. M FLEMING. 12/18/63, 1P)	BE0905 M3214
DRAWING	SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052-ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P)	AT0102 M3235
DRAWINGS	CODE NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING NOTES (W SALSIG. 5/14/63, 2P)	BE0601 M3046
DRIFT-TUBES	POSTSTRIPPER DRIFT TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T HENDERSON. 1/27/65, 2P)	LA0105 M3487
DRIFT-TUBE	COOLING POST-STRIPPER DRIFT-TUBE STEM BELLOWS (HEAVY ION ACCELERATOR. E HOYER, R BYRNS, R PARSONS. 6/29/64, 23P)	LA0103 M3354
DRIFT-TUBE	DRIFT-TUBE MAGNET COIL CORROSION RATE TEST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/8/63, 3P)	BE0905 M3091
DRIFT-TUBE	DRIFT-TUBE QUADRUPOLE MAGNETS EFFECTIVE LENGTH AND NONLINEARITY (BEVATRON INJECTOR II LINAC. R MEUSER. 5/7/63, 4P)	BE0905 M3043
DRIFT-TUBE	DRIFT-TUBE REMOVAL AND REPLACEMENT PROCEDURE (BEVATRON INJECTOR II, LINAC. F CROSBY. 8/31/64, 2P)	BE0905 M3400
DRIFT-TUBE	FLOW SWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P)	BE0905 M3351
DRIFT-TUBE	LINAC DRIFT-TUBE MAGNETS, DRAWING NUMBERS (BEVATRON INJECTOR II. M FLEMING. 12/18/63, 1P)	BE0905 M3214
DRIFT-TUBE	4-1/2-PCT-DUTY-FACTOR-OPERATION, DRIFT-TUBE STEM AND SHELL COOLING REQUIREMENTS (HEAVY ION ACCELERATOR. E HOYER. 4/13/62, 10P)	LA0105 M3069

DRIFT-TUBES	EXTRA COOLING FOR HEADS AND HALF DRIFT-TUBES (HEAVY ION ACCELERATOR. W BRUNK. 8/19/64, 7P)	LA0107 M3395
DRIFT-TUBES	PRE-STRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY ION ACCELERATOR. R BYRNS. 7/21/64, 17P)	LA0107 M3415
DRIVE	BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR-SECTION.-S JOHNSON. 2/20/63, 4P)	BE0907 M3005
DRIVE	EXPERIMENTAL DETERMINATION OF THE INERTIA OF THE MK VIII GAP-MOUNTED FLIP TARGET DRIVE (BEVATRON EXPERIMENTAL FACILITIES. S JOHNSON. 1/15/65, 34P)	BE0702 M3485
DRIVE	RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P)	RC0102 M3392
DRIVER	CW DRIVER TUBE AND GRID CONDENSER COOLING (HEAVY ION ACCELERATOR. E HOYER. 6/26/63, 9P)	LA0102 M3141
DUTY-FACTORS	MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P)	LA0105 M3070
EARTHQUAKE	EARTHQUAKE STABILITY CALCULATIONS FOR SUBSTATION EQUIPMENT (HEAVY ION ACCELERATOR. E HOYER. 4/7/64, 2P)	LA0105 M3328
EARTHQUAKE	TRANSIENT RESPONSE TO EARTHQUAKE MOTION OF A CONTINUOUS CONCRETE BEAM 93-FT LONG (ONE CELL) (ADVANCED ACCELERATOR, MAIN RING MAGNET SUPPORT AND ENCLOSURE. S JOHNSON. 5/7/64, 10P)	AC0404 M3360
ECONOMY	THE ECONOMY OF HIGH MAGNETIC FIELDS IN THE DESIGN OF LARGE STEERING MAGNETS (R HINTZ. 12/20/63, 2P)	AA0114 M3219
EDDY-CURRENTS	EDDY-CURRENTS IN A ROUND CONDUCTOR DUE TO AN EXTERNAL MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, MAGNETS. S JOHNSON. 6/16/64, 8P)	AC0303 M3358
EIMAC	WESGO, LITTON-IND, AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTRON VACUUM SYSTEM. G BEHRING. 2/19/65, 4P)	AC0305 M3503
ELECTRIC	ELECTRIC HEATERS ON HYDROGEN TARGET RESERVOIRS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)	AA0300 M3450
ELECTRIC	ELECTRIC HOIST ACCEPTANCE TEST (BEVATRON. R KREVITT. 4/1/64, 3P)	BE0610 M3289
ELECTRIC	ELECTRIC HOIST ACCEPTANCE TEST AND A FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P)	BE0610 M3289A
ELECTRIC	VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT. 4/10/63, 4P)	BE0708 M3024
ELECTRICAL	DESIGN NEWS-SEMINAR ON ELECTRICAL CONTACT DESIGN (TRIP REPORT. L LUCAS. 10/22/63 2P)	AA0102 M3169

ELECTRICAL	ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J ROSKELLEY. 2/4/64, 3P)	BE0705 M3256
ELECTRICAL	HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES (J TURNER. 10/15/63, 2P)	AA0106 M3160
ELECTRICAL	RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 5/20/64 R3/2/65, 22P UCID 2451)	AC0304 M3331A
ELECTRODE	ELECTRODE SUPPORT INSULATOR, 13N3722 (BEVATRON EXPERIMENTAL FACILITIES VELOCITY SPECTROMETERS - MARK V. G EDWARDS. 5/27/63, R7/23/63, 1P)	SPEC. M355A
ELECTRON-BEAM	BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P)	AT0102 M3252
ELECTRONEN	VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F REINATH. 10/11/63, 6P)	AA0102 M3158
ELEVATION	MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)	BE1201 M3448
EMBEDMENT	INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185)	AB0108 M3306
EMISSION	ION SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/12/63, 2P)	RC0103 M3023
ENCLOSURE	BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. H HERNANDEZ. 12/21/64, 14P)	AC0300 M3475
ENCLOSURE	MAGNET ENCLOSURE GENERAL ARRANGEMENTS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURES AND SUPPORTS. W SALSIG. 4/29/64, 4P)	AC0409 M3320
ENERGY	BEAM ANALYSIS-SYSTEM, FACTORS AFFECTING ENERGY RESOLUTION (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/10/64, 13P, UCID 2404)	CB0201 M3363
ENERGY	BOOSTER CAPITAL COST AS A FUNCTION OF BEAM ENERGY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 9/64 30P)	AC0300 M3452
ENG-TECHNOLOGY	ENG-TECHNOLOGY FOR LIVERMORE	GROUP AB0400
ENG-TECHNOLOGY	ENG-TECHNOLOGY, GENERAL	GROUP AB0101
ENGINEERING	ADVANCED-ACCELERATOR, OVERALL ENGINEERING STUDIES	GROUP AC0100
ENGINEERING	ASME DESIGN ENGINEERING CONFERENCE AND SHOW, 1963 (TRIP REPORT. A BABIN, A GLICKSMAN, R KREVITT, F TOBY. 7/1/63 6P)	AA0102 M3093

ENGINEERING	ASME DESIGN ENGINEERING CONFERENCE 1964 (F BIERLEIN. 5/20/64, 6P)	AA0102 M3333
ENGINEERING	BUBBLE-CHAMBER MULTIPULSING TEST DURING ENGINEERING RUN, NOVEMBER 1963 (25-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ. 4/1/64, 1P UCID 2157)	HE0106 M3290
ENGINEERING	CALCULATING RELIABILITY FOR ENGINEERING DEVICES (TECHNICAL MEETING TALK 12-11-63. W SALSIG. 1/30/64, 10P)	AA0100 M3273
ENGINEERING	CODE NUMBERS FOR BEVATRON DRAWINGS AND ENGINEERING NOTES (W. SALSIG. 5/14/63, 2P)	BE0601 M3046
ENGINEERING	CORNELL, PRINCETON, CRYOGENIC ENGINEERING CONFERENCE (AUGUST, 1964) (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 8/24/64, 12P)	AC0300 M3407
ENGINEERING	DESIGN ENGINEERING CONFERENCE AND SHOW OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (CHICAGO, ILLINOIS, MAY 11-14, 1964) (CONFERENCE REPORT. D MORRIS. 5/25/64, 3P)	AA0102 M3332
ENGINEERING	ENGINEERING DOCUMENTATION-SYSTEM, (CONSIDERATIONS AND CHECKLIST) (P BEAN. 10/17/63, 3P)	AA0128 M3163
ENGINEERING	ENGINEERING NOTE AND SPECIFICATION NUMBERING-SYSTEM (J TURNER. 1/9/64 R8/24/64, 10P)	AA0128 M3228A
ENGINEERING	ENGINEERING NOTE AUTHORS GUIDE (H GORDON, J TURNER. 7/27/64 R8/20/64, 4P)	AA0128 M3374A
ENGINEERING	ENGINEERING SAFETY MEETING OF FEBRUARY 20, 1964 (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 2/24/64, 2P)	AA0300 M3268
ENGINEERING	EXPERIMENTAL AREA, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/28/64, 1P)	AC1100 M3247
ENGINEERING	INDEX TO BEVATRON LINAC ENGINEERING NOTES (BEVATRON INJECTOR II. R KILPATRICK. 12/18/63, 1P)	BE0905 M3215
ENGINEERING	INJECTOR, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P)	AC0300 M3246
ENGINEERING	MECHANICAL ENGINEERING WORK (ADVANCED ACCELERATOR. H GORDON. 12/19/63, 15P)	AC0101 M3216
ENGINEERING	MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P)	LA0105 M3070
ENGINEERING	MECHANICAL ENGINEERING ASSISTANCE, STATUS REPORT-I (INORGANIC-MATERIALS-RESEARCH. G BEHRING. 3/3/64, 7P)	RA0200 M3274
ENGINEERING	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421

ENGINEERING	SUMMARY OF MECHANICAL ENGINEERING WORK FOR THE BEVATRON (PERIOD OF OCTOBER 1, 1963 TO OCTOBER 3, 1964) (K LOU. 12/11/64, 7P)	BE0601 M3467
ENGINEERING	TECHNICAL LIAISON BETWEEN UCLRL MECHANICAL ENGINEERING DEPARTMENT AND FABRICATOR (R FREY. 5/13/63 1P)	AA0101 M3045
ENGINEERING	100-PCT-DUTY-FACTOR-OPERATION AT 2 MEGAWATT POWER. DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P)	LA0105 M3066
ENGINEERING	18-PCT-DUTY-FACTOR-OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P)	LA0105 M3065
ENGINEERING	36-PCT-DUTY-FACTOR-OPERATION AND 100-PCT-DUTY-FACTOR-OPERATION AT 1.3-MAGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/14/63, 11P)	LA0105 M3064
ENGINEERS	DESIGN ENGINEERING CONFERENCE AND SHOW OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (CHICAGO, ILLINOIS, MAY 11-14, 1964) (CONFERENCE REPORT. D MORRIS. 5/25/64, 3P)	AA0102 M3332
ENGINEERS	TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS, (ATLANTIC CITY, JANUARY 1964. TRIP REPORT. J TURNER. 2/10/64, 3P)	AA0102 M3260
ENVELOPE EPON-826	BEVATRON VACUUM ENVELOPE VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P)	GROUP BE1800 SPEC. M358
EPOXY	MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P)	HE0102 M3233
EPOXY	MEASUREMENT ON VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY FORMULATIONS (F REINATH. 7/1/64 R7/10/64, 9P)	AA0106 M3357A
EPOXY	PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F CORSBY. 4/1/63, 5P)	BE0906 M3022
EPOXY	VACUUM IMPREGNATION OF MAGNET COILS WITH LRL EPOXY FORMULATION NO. CT2E (J TURNER. 11/8/63, R12/11/63, 5P)	SPEC. M360A
EPOXY	70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J TURNER. 11/20/63, 6P)	LA0102 M3196
EQUAL-POTENTIAL	PLOT OF EQUAL-POTENTIAL LINES AROUND A SPARK-CHAMBER PLATE (GENERAL PHYSICS RESEARCH. A WATANABE. 2/11/65, 2P)	RP0104 M3501

EQUATIONS	EQUATIONS FOR 5831 REGULATING TUBE SHOCK ABSORBER (BEVATRON INJECTOR II. S JOHNSON. 3/11/63 R2/26/64, 4P)	BE0905 M3001A
EQUIPEMNT EQUIPMENT	88-IN CYCLOTRON, ACCESSORY EQUIPEMNT. EARTHQUAKE STABILITY CALCULATIONS FOR SUBSTATION EQUIPMENT (HEAVY ION ACCELERATOR. E HOYER. 4/7/64, 2P)	GROUP CB0200 LA0105 M3328
EQUIPMENT EQUIPMENT	EVALUATION OF VACUUM EQUIPMENT HYPERFRAGMENT EXPERIMENT, SAFETY OF EQUIPMENT AND INSTALLATION (30-INCH PROPANE CHAMBER. V KOPYTOFF. 3/16/64, 2P)	GROUP AB0105 PC0101 M3282
EQUIPMENT EQUIPMENT	LIQUEFIED GAS STORAGE AND EQUIPMENT. SHIELDING FOR NEUTRON ATTENUATION IN THE MAJOR EQUIPMENT ACCESS (ADVANCED ACCELERATOR. J SATTI. 3/11/65, 2P)	GROUP AB0102 AC1200 M3514
EQUIPMENT EQUIPMENT	VACUUM PRACTICES, EQUIPMENT, MATERIALS WORK DONE ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY 1964 (F REINATH. 7/16/64, 4P)	GROUP AA0112 AB0105 M3369
EQUIPMENT	WORK PLANNED ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY 1965 (F REINATH. 8/10/64, 3P)	AB0105 M3385
EQUIPMENT ESTIMATE	184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT. ADDITIONAL PROPOSAL AND COST ESTIMATE (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 5/4/64, 3P)	GROUP CA0300 RB0108 M3323
ESTIMATE	ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P)	RC0106 M3157
ESTIMATE	BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64, 8P)	CB0201 M3438
ESTIMATE	BEAM EXTRACTION MAGNETS, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 11/9/64 6P)	AC1001 M3451
ESTIMATE	BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. H HERNANDEZ. 12/21/64, 14P)	AC0300 M3475
ESTIMATE	CENTER REGION STUDIES COST ESTIMATE (184-INCH CYCLOTRON PROPOSED IMPROVEMENTS. J VALE, K CROWE, R BURLEIGH. 4/10/64, 2P)	CA0100 M3300
ESTIMATE	COST ESTIMATE BASED ON 1/8 SIZE MODEL (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. L GLASGOW. 8/30/63, 1P)	RB0108 M3129
ESTIMATE	COST ESTIMATE FOR DEMONSTRATION OF COMPUTER CONTROL OF ADJUSTMENTS (88-INCH CYCLOTRON, MAGNET TRIMMING COILS. S JOHNSON. 8/31/64, 2P UCID 2402)	CB0103 M3399

ESTIMATE	COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF SOLIDS. G BEHRING. 10/9/63, 3P)	RA0203 M3161
ESTIMATE	COST ESTIMATE, MECHANICAL COMPONENTS (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/1/65, 7P)	AC0200 M3506
ESTIMATE	COST ESTIMATE, ZERO ORDER, MAGNET-ENCLOSURE, MAGNET AND VACUUM-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 1/27/64, 12P)	AC0300 M3258
ESTIMATE	DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON REGENERATIVE DEFLECTION SYSTEM. R BURLEIGH. 7/29/64 R9/3/64, 5P UCID 2379)	CB0125 M3380A
ESTIMATE	EXPERIMENTAL AREA, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/28/64, 1P)	AC1100 M3247
ESTIMATE	EXTERNAL PROTON BEAM COST ESTIMATE SUMMARY 1/1/64 (PHASE IB AND II) (BEVATRON. D MORRIS. 8/13/63 R11/13/63 R2/3/64, 5P)	BE0801 M3127B
ESTIMATE	INJECTOR, MECHANICAL HARDWARE AND ENGINEERING, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P)	AC0300 M3246
ESTIMATE	LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRING. 10/23/64, 3P)	RC0102 M3435
ESTIMATE	MACHINE INSTALLATION BUILDING-70, COST ESTIMATE OF BUILDING MODIFICATION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR. REYNOLDS. F BUCHTEL. 5/22/63, 1P)	RC0103 M3058
ESTIMATE	MAIN VACUUM-SYSTEM COST ESTIMATE (ADVANCED ACCELERATOR. F REINATH. R1/24/64 R3/17/64, 8P UCID 2152)	AC0800 M3241B
ESTIMATE	MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P)	LA0105 M3070
ESTIMATE	MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P)	RA0200 M3318
ESTIMATE	MOLECULAR BEAM REACTION-CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G BEHRING. 9/4/64, 3P)	RA0200 M3404
ESTIMATE	NEW BUBBLE-CHAMBER BODY, COST AND TIME ESTIMATE (72-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ, F BARRERA. 5/10/63, 3P UCID 1901)	HD0102 M3052
ESTIMATE	PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P)	AC0409 M3244

ESTIMATE	PRELIMINARY COST ESTIMATE OF CORRECTING MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/28/64, 1P)	AC0500 M3248
ESTIMATE	PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 11/1/63, 4P)	AC0404 M3229
ESTIMATE	SHIELDING FOR 100-PCT-LOAD-FACTOR, COST ESTIMATE (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/28/64, 3P)	LA0106 M3375
ESTIMATE	SHIELDING FOR 100-PCT-LOAD-FACTOR COST ESTIMATE FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 3P)	LA0106 M3376
ESTIMATE	SPARE DEE DESCRIPTION AND COST ESTIMATE (88-INCH CYCLOTRON. R BURLEIGH. 7/29/64, 3P UCID 2378)	CB0112 M3379
ESTIMATE	100-PCT-DUTY-FACTOR-OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/7/63, 9P)	LA0105 M3066
ESTIMATE	100-PCT-POWER, STEEL SHIELDING, SIZES FOR ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 9/18/63, 2P UCID 1994)	LA0105 M3150
ESTIMATE	18 X 60 H MAGNET, DESIGN AND COST ESTIMATE (BEVATRON. J WALTER. 3/5/64, 10P UCID 2129)	BE0705 M3275
ESTIMATE	18-PCT-DUTY-FACTOR-OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P)	LA0105 M3065
ESTIMATE	36-PCT-DUTY-FACTOR-OPERATION AND 100-PCT-DUTY-FACTOR-OPERATION AT 1.3-MAGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/14/63, 11P)	LA0105 M3064
ESTIMATES	CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST ESTIMATES (FOR 150-FT, 132 FT, AND 114-FT DIA STRUCTURES) (ADVANCED ACCELERATOR, MAIN RING MAJOR EQUIPMENT ACCESSWAY, STUDIES NO. 11 AND NO. 12. O CALLAHAN. 3/4/64, 4P)	AC0411 M3279
ESTIMATES	COST ESTIMATES FOR 2 AND 6 GEV INJECTION, C AND H MAGNET LAYOUTS (ADVANCED ACCELERATOR, MAGNET SUPPORT BEAMS AND FOUNDATIONS. W SALSIG. 1/23/64, 17P UCID 2089)	AC0404 M3243
ESTIMATES	COST ESTIMATES FOR PROPOSED TARGET AREAS (HEAVY ION ACCELERATOR, PROPOSED IMPROVEMENTS. E HOYER. 2/17/64, 3P)	LA0100 M3262
ESTIMATES	FINAL PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW. 4/15/64, 7P)	RB0108 M3307

ESTIMATES	MAIN VACUUM-SYSTEM, COMPARISON BETWEEN PRELIMINARY COST ESTIMATES AND CONTRACT BIDS (ADVANCED ACCELERATOR. F REINATH. 3/17/64, 2P)	AC0800 M3284
ESTIMATES	PATIENT POSITIONER PRELIMINARY PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW, N YANNI. 4/9/64, 13P)	RB0108 M3301
ESTIMATING	COSTS, TIME-STUDIES, ESTIMATING	GROUP AA0103
ESTIMATING	ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/10/63, 10P)	AC0800 M3134
ESTIMATING	ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 3/9/64, 8P UCID 2150)	AC0800 M3281
EVALUATION	BEARING EVALUATION TEST (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. E HOYER. 1/20/61, 7P)	BE0802 M3082
EVALUATION	BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158)	AA0112 M3294
EVALUATION	EVALUATION OF PROPOSED VACUUM PUMPING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM-SYSTEM. F REINATH. 2/24/64 R3/2/64, 3P UCID 2128)	AC0800 M3269A
EVALUATION	EVALUATION OF VACUUM EQUIPMENT	GROUP AB0105
EVALUATION	HOSE EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 10/16/63, 8P UCID 2335)	AA0112 M3162
EVALUATION	THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G PFAFF. 12/17/63, 7P)	AA0112 M3212
EVALUATION	THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G PFAFF. 12/17/63 R1/21/64, 8P)	AA0112 M3212A
EVALUATION	WORK DONE ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY 1964 (F REINATH. 7/16/64, 4P)	AB0105 M3369
EVALUATION	WORK PLANNED ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY 1965 (F REINATH. 8/10/64, 3P)	AB0105 M3385
EXCITATION	18-IN X 36-IN LP MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION (BEVATRON. I HALPERN. 11/22/63, 1P)	BE0705 M3198
EXHIBIT	NINETEENTH ANNUAL INSTRUMENT SOCIETY OF AMERICA CONFERENCE AND EXHIBIT (TRIP REPORT. G BEHRING. 11/2/64 4P)	AA0102 M3446
EXIT	INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P)	BE0907 M3420B
EXIT	MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III. A GLICKSMAN. 3/19/56 ISSUED 6/25/63, 54P)	BE1305 M3089
EXTENSION	EXTENSION VACUUM TANK (BEVATRON BEAM EXIT - QUADRANT II - 89-DEG AREA. A GLICKSMAN. 7/23/63, 4P)	BE1805 M3287

EXTERNAL	BEVATRON EXTERNAL PROTON BEAM	GROUP BE0800
EXTERNAL	BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P)	AA0113 M3011
EXTERNAL	EDDY-CURRENTS IN A ROUND CONDUCTOR DUE TO AN EXTERNAL MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, MAGNETS. S JOHNSON. 6/16/64, 8P)	AC0303 M3358
EXTERNAL	EXTERNAL BEAM DEFLECTION MAGNET POLARITY (BEVATRON, EXTERNAL PROTON BEAM. A LAKE. 5/6/64, 5P UCID 2337)	BE0804 M3327
EXTERNAL	EXTERNAL PROTON BEAM COST ESTIMATE SUMMARY 1/1/64 (PHASE IB AND II) (BEVATRON. D MORRIS. 8/13/63 R11/13/63 R2/3/64, 5P)	BE0801 M3127B
EXTRACTED	ADVANCED ACCELERATOR, EXTRACTED BEAMS AND TARGETS	GROUP AC1000
EXTRACTION	BEAM EXTRACTION MAGNETS, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 11/9/64 6P)	AC1001 M3451
FABRICATION	ACCELERATING WAVEGUIDE FABRICATION (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R MEUSER. 12/3/63, 3P)	AC0200 M3202
FABRICATION	MAGNET YOKE FABRICATION, (PRELIMINARY DISCUSSION) (ADVANCED ACCELERATOR, ALTERNATING GRADIENT RING MAGNETS. R KILPATRICK. 11/16/64, 12P)	AC0501 M3453
FABRICATOR	TECHNICAL LIAISON BETWEEN UCLRL MECHANICAL ENGINEERING DEPARTMENT AND FABRICATOR (R FREY. 5/13/63 1P)	AA0101 M3045
FACE	GRADIENT MAGNET POLE FACE DEVELOPMENT (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON MAGNETS. V KOPYTOFF. 12/16/64, 5P)	AC0303 M3470
FACILITIES	BEVATRON, EXPERIMENTAL FACILITIES	GROUP BE0700
FACILITIES	DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P BEAN. 12/20/64, 3P)	AA0102 M3515
FACILITY	CONVEYOR LINE FACILITY, BUILDING 171, SUGGESTED ASSEMBLY PROCEDURE (J HAUGHIAN. 8/22/63 R9/4/63, 2P)	AB0400 M3120A
FERRITE	COOLING OF FERRITE IN RF CAVITIES BY WATER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. R WOLGAST. 6/19/64, 12P)	AC0304 M3348
FERRITE	COOLING OF FERRITE IN RF CAVITIES BY FORCED AIR (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, RF SYSTEM. R WOLGAST. 7/29/64, 15P)	AC0304 M3381
FIELD	A METHOD FOR SHAPING THE 88-INCH CYCLOTRON MAGNETIC FIELD FOR ISOCHRONOUS ACCELERATION (88-INCH CYCLOTRON. F SELPH. 8/12/63, 22P UCID 1983)	CB0101 M3122
FIELD	BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405)	CB0201 M3370

FIELD	BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64, 8P)	CB0201 M3438
FIELD	EDDY-CURRENTS IN A ROUND CONDUCTOR DUE TO AN EXTERNAL MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, MAGNETS. S JOHNSON. 6/16/64, 8P)	AC0303 M3358
FIELD	FIELD UNIFORMITY IN COIL-IN-GAP-TYPE MAGNETS (R MEUSER. 3/29/63, 20P UCID 1881)	AA0114 M3026
FIELD	SUMMARY OF FIELD INSPECTION OF SHIELDING BLOCKS (BEVATRON-SHIELDING. R MILLER. 6/14/63, 3P)	BE1130 M3075
FIELD	TESTING KLIXON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P)	BE0806 M3193
FIELD	VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT. 4/10/63, 4P)	BE0708 M3024
FIELD-FREE	FIELD-FREE LABORATORY SPECTROMETER IMPROVEMENT, (PROGRESS MEETING) (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 5/28/63, 2P)	RC0101 M3063
FIELD-FREE	FIELD-FREE LABORATORY CHILLER MODIFICATION (CHEMISTRY RESEARCH. BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 12/5/63, 2P)	RC0101 M3203
FIELD-MEASURING	MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER. V KOPYTOFF. 1/6/64, 6P)	HE0102 M3224
FIELDS	THE ECONOMY OF HIGH MAGNETIC FIELDS IN THE DESIGN OF LARGE STEERING MAGNETS (R HINTZ. 12/20/63, 2P)	AA0114 M3219
FILLER	PRECIOUS BRAZE FILLER METALS (R REIMERS. 10/28/64, 5P UCID 2408)	AA0121 M3437
FILM	A TECHNIQUE FOR THIN INORGANIC FILM PRODUCTION AND MOUNTING (D O CONNELL. 5/3/63, 1P)	AA0503 M3105
FILM	COLD DEEP DRAWING OF POLYESTER FILM (W POPE, J HUGULEY, E MCLAUGHLIN. 11/20/63, 2P)	AT0102 M3197
FILM	MEASURING PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P)	RP0103 M3405
FILMS	A SIMPLE PROCEDURE FOR THE PREPARATION OF CARBON FILMS (OF INTERMEDIATE THICKNESS) (D O CONNELL. 5/3/63, 1P)	AA0503 M3106
FILMS	PREPARATION OF THIN FILMS.	GROUP AA0503
FILMS	THE PRODUCTION OF THIN ORGANIC FILMS OF ZAPON (D O CONNELL. 5/3/63, 4P)	AA0503 M3104
FILMS	THIN, UNBACKED METAL AND OTHER INORGANIC FILMS (D O CONNELL. 5/3/63, 2P)	AA0503 M3107
FILMSTRIP	STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. D NORRGREN. 9/2/64, 2P UCID 2351)	RP0103 M3401

FILTER	PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P)	AA0113 M3110
FINS	STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E MCLAUGHLIN. 7/31/63, 15P)	AT0102 M3111
FIRING	70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J TURNER. 11/20/63, 6P)	LA0102 M3196
FISCHER	MEETING WITH DR. E. FISCHER FROM CERN ON VACUUM PROBLEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 4/7/64, 5P)	AC0800 M3299
FIT	POLYNOMIAL LEAST-SQUARES FIT BY MATRICES (R SCHWARZ. 8/20/63 R8/21/63, 5P)	AA0123 M3117A
FITTINGS	CURRENT CARRYING CAPACITY OF SEVERAL UCLRL TUBING FITTINGS (INORGANIC MATERIALS RESEARCH, SEARCY, HIGH TEMPERATURE CHEMISTRY. G BEHRING. 2/19/64, 5P)	RA0201 M3266
FIXTURE	BLOCK LIFTING FIXTURE ARMS, ADAPTER AND 1-1/2-IN DIAMETER PIN (BEVATRON. S WORTMAN. 11/18/63, 3P)	BE0610 M3186
FIXTURE	BLOCK LIFTING FIXTURE STRESSES (BEVATRON SHIELDING. D MORRIS. 5/2/63, 9P)	BE1130 M3041
FIXTURE	MAGNET LIFTING FIXTURE CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 5/10/62, 3P)	BE0906 M3013
FIXTURE	STRESS ANALYSIS OF A MATERIAL LIFTING FIXTURE (S WASILIK. 10/16/64, 7P)	AA0118 M3431
FLAMESPRAYED	APPLICATION OF METCO-110 FLAMESPRAYED METALLIC ZINC PROTECTIVE COATING (HEAVY ION ACCELERATOR. R BYRNS. 12/3/64, 2P)	SPEC. M373
FLAMMABLE	SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 2/21/64, 1P)	AA0300 M3265
FLANGED	A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F MIDDLETON. 11/30/64, 8P)	AC0305 M3455
FLASK	PRESSURE TEST OF ALL ALUMINUM LH2 FLASK (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 1/6/64, 1P)	AA0300 M3225
FLASKS	ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W POPE, J HUGULEY. 11/7/63, 3P)	AT0102 M3180
FLATTENING	FLATTENING OF STEEL PLATES BY GRINDING (MOYER BEVATRON RUN, GAMMA SPARK CHAMBER. R PETERS. 11/13/64, 6P)	RP0101 M3456
FLATTENING	PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH. D VORKOEPEP. 12/3/64, 1P)	RP0101 M3454
FLIP-TARGET	EXPERIMENTAL DETERMINATION OF THE INERTIA OF THE MK VIII GAP-MOUNTED FLIP TARGET DRIVE (BEVATRON EXPERIMENTAL FACILITIES. S JOHNSON. 1/15/65, 34P)	BE0702 M3485

FLIP-TARGET	GAP-MOUNTED FLIP-TARGET (MK VIII-T) LONG COIL WINDING INSTRUCTIONS (BEVATRON. D STONE, D VANECEK. 8/22/63 R9/19/63, 4P)	BE0702 M3123A
FLIP-TARGET	GAP-MOUNTED FLIP-TARGET (MK VIII-T) SHORT COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/13/63, 3P)	BE0702 M3136
FLIP-TARGET	GAP-MOUNTED FLIP-TARGET (MK VIII-T) STRAIGHT-TO-CURVED ASSEMBLY PROCEDURE (BEVATRON. K STONE, D VANECEK. 9/16/63, 3P)	BE0702 M3137
FLIP-TARGET	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K STONE, D VANECEK. 9/13/63, 6P)	BE0702 M3138
FLIP-TARGET	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/17/63, 5P)	BE0702 M3139
FLOOR	DESIGN OF PLATFORM REINFORCEMENT FOR HIGHER FLOOR LOADING (BEVATRON. A GLICKSMAN. 4/26/56 ISSUED 12/10/63, 36P)	BE0601 M3207
FLOOR	FOUR-POINT VERSUS THREE-POINT FLOOR LOADING FOR TRAVELING MAGNET (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/20/63, 4P)	RC0103 M3056
FLOOR	MACHINE INSTALLATION, REINFORCEMENT OF FLOOR FOR ADDITIONAL LOADING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/15/63 R7/3/63, 3P)	RC0103 M3051A
FLOW	A NEW TYPE WATER FLOW SWITCH AND INDICATOR (W EATON, F CROSBY. 6/15/64, 3P)	AB0101 M3340
FLOW	COOLING WATER FLOW REQUIREMENTS FOR TUNING LOOPS (HEAVY ION ACCELERATOR, 100-PCT-DUTY-FACTOR-OPERATION. E HOYER. 7/16/63, 2P)	LA0105 M3097
FLOW	COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P)	LA0107 M3463
FLOW	COOLING WATER FLOW ANALYSIS OF POST-STRIPPER TANK (HEAVY ION ACCELERATOR. J SATTI. 12/14/64, 17P)	LA0107 M3464
FLOW	FLOW SWITCH DESIGN UTILIZING DIFFUSER RECOVERY (HEAVY ION ACCELERATOR. E HOYER. 5/26/64, 19P)	LA0103 M3334
FLOW	FLOW SWITCH FOR 16-32-16-12-INCH DIAMETER QUADRUPOLE MAGNET TRIplet (184-INCH CYCLOTRON. W BRUNK. 6/24/63, 2P)	CA0303 M3086
FLOW	FLOW SWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P)	BE0905 M3351
FLOW	GEMS PS-900 FLOW SWITCH CALIBRATION (BIO-ORGANIC CHEMISTRY LEMMON C-14 ISOTOPE SEPARATOR SOURCE. G BEHRING. 10/28/64, 1P)	RC0500 M3439

FLOW ION SOURCE, NON-IONIZED GAS FLOW (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 5/3/63, 6P) RC0103 M3039

FLOW MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S. JOHNSON. 7/12/63, 3P) RC0101 M3096

FLOW MOLECULAR FLOW THROUGH HOT AND COLD CONDUITS (W. CHAMBERLAIN. 9/20/63, 8P UCID 2334) AA0112 M3148

FLOW MULTI-ORIFICE FOR FLOW SWITCH, DESIGN AND FLOW CHECK (BEVATRON INJECTOR II LINAC. W. EATON. 6/18/64. R1/12/64, 3P UCID 2411) BE0905 M3346A

FLOW MULTI-ORIFICE FOR FLOW SWITCH, DESIGN AND FLOW CHECK (BEVATRON INJECTOR II LINAC. W. EATON. 6/18/64. R1/12/64, 3P UCID 2411) BE0905 M3346A

FLOW ONE-HALF INCH WATER FLOW SWITCH (HEAVY ION ACCELERATOR, 88-INCH CYCLOTRON. E HOYER. 11/20/63, 6P) LA0102 M3189

FLOW SOME CRITERIA FOR FLOW INTERLOCKS (R. BURLEIGH. 11/14/63, 3P UCID 2231) AA0118 M3183

FLOW THE DALL-TUBE FLOW INTERLOCK (A FIRST LOOK) (BEVATRON INJECTOR II S. JOHNSON. 7/18/63, 4P) BE0905 M3098

FLOWSWITCH 20 AND 40 GPM FLOWSWITCH DESIGN (HEAVY ION ACCELERATOR, CW DRIVER. E HOYER. R11/17/63, 5P) LA0102 M31408

FLUX SUPERCONDUCTING SOLENOID, EFFECTS OF FLUX JUMPS (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R. HINTZ. 1/6/65, 10P UCID 2444) RC0102 M3476

FLYING-SPOT FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R. WEBER. 2/11/65, 4P) SPEC. M375

FOCUSING IRON-BOUND SOLENOIDS FOR BEAM FOCUSING (R. MEUSER. 11/19/63, 10P) AA0114 M3195

FOIL ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W. POPE, J. HUGULEY. 11/7/63, 3P) AT0102 M3180

FOIL BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W. POPE. 1/20/64, 5P) AT0102 M3252

FOIL BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F. HUBAL. 3/6/64. R4/8/64, 3P) BE0503 M3276A

FOIL FOIL ROLLING MILL DESIGN CALCULATIONS (CHEMISTRY RESEARCH, 88-IN. CYCLOTRON NUCLEAR REACTIONS GROUP. J. WAGNER. 12/17/63, 17P) RC0100 M3218

FOIL KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D. VORKOEPER. 10/14/64, 1P) RP0101 M3429

FORCED COOLING OF FERRITE IN RF CAVITIES BY FORCED AIR (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, RF SYSTEM. R. WOLGAST. 7/29/64, 15P) AC0304 M3381

FORCES	MAGNETIC FORCES ON IM-3 POWER CABLES (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 1P)	BE0907 M3010
FORE	BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158)	AA0112 M3294
FORE	HOSE EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 10/16/63, 8P UCID 2335)	AA0112 M3162
FORGINGS	HIPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS (BEVATRON. J OORT. 1/10/63, 14P)	BE1130 M3076
FORM	VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P)	BE0708 M3472
FORMAT	STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. C NORGREN. 9/2/64, 2P UCID 2351)	RP0103 M3401
FORMING	ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W POPE, J HUGULEY. 11/7/63, 3P)	AT0102 M3180
FORMULAE	PROPOSED BOOK OF TABLES SIMPLIFYING ROARKS FORMULAE (R SCHWARZ. 6/17/64, 5P)	AA0123 M3343
FORMULAE	VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT. 4/10/63, 4P)	BE0708 M3024
FORMULAS	BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P)	AA0113 M3011
FORMULAS	PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F CORSEBY. 4/1/63, 5P)	BE0906 M3022
FORMULATION	VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P)	SPEC. M358
FORMULATION	VACUUM IMPREGNATION OF MAGNET COILS WITH LRL EPOXY FORMULATION NO. CT2E (J TURNER. 11/8/63, R12/11/63, 5P)	SPEC. M360A
FORMULATIONS	MEASUREMENT ON VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY FORMULATIONS (F REINATH. 7/1/64 R7/10/64, 9P)	AA0106 M3357A
FORTRAN	CURRENT LIST OF FORTRAN COMPUTER PROGRAMS (J SHIVELY. 6/19/64, 2P UCID 2278)	AA0123 M3347
FORTRAN	FORTRAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P)	AA0123 M3337
FORTRAN	SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTERS 1, 2, AND 3) (M FLEMING. 8/14/64, 28P)	AA0123 M3393
FORTRAN	SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTER 4, APPENDIX A/AND INDEX) (M FLEMING. 8/19/64, 31P)	AA0123 M3394

FOUNDATION	LATERAL STIFFNESS OF PROPOSED DEEP PILE FOUNDATION (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 8/24/64, 8P UCID 3249)	AC0402 M3398
FOUNDATIONS	FOUR DESIGNS FOR SITES REQUIRING DEEP FOUNDATIONS, PRELIMINARY COST COMPARISON (ADVANCED ACCELERATOR, MAGNET ENCLOSURE. W SALSIG. 12/20/63, 16P UCID 2067)	AC0409 M3226
FOUR-POINT	FOUR-POINT VERSUS THREE-POINT FLOOR LOADING FOR TRAVELING MAGNET (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/20/63, 4P)	RC0103 M3056
FOURIER	THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS (S JOHNSON. 1/22/64, 10P)	AA0123 M3236
FRAME	ELECTRIC HOIST ACCEPTANCE TEST AND A FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P)	BE0610 M3289A
FRAME	12QB AUXILIARY MAGNETS SPECIAL LIFTING FRAME FOR USE IN ASSEMBLY BUILDING (BEVATRON. V FLETCHER. 12/19/63 R3/5/64, 6P)	BE0705 M3220A
FREON	MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P)	RC0101 M3096
FREQUENCIES	DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED UNIFORM BEAMS (R MEUSER. 11/8/63, 7P)	AA0129 M3194
FREQUENCIES	NATURAL FREQUENCIES FOR BEAMS DESCRIBED IN NOTE M3243 (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. S JOHNSON. 3/17/64, 3P)	AC0404 M3283
FREQUENCY	MOTOR-GENERATOR-SET NATURAL FREQUENCY CALCULATIONS (BEVATRON, MAGNET POWER SUPPLY. S JOHNSON. 7/7/64 R7/13/64, 6P)	BE1401 M3362A
FREQUENCY	PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 11/1/63, 4P)	AC0404 M3229
FREQUENCY	RESONANT FREQUENCY AND LATERAL STIFFNESS OF PILE-SYSTEMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W CHAMBERLAIN. 4/14/64, 8P)	AC0404 M3304
FUNCTIONS	THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS (S JOHNSON. 1/22/64, 10P)	AA0123 M3236
FURANE-D40	VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P)	SPEC. M358
GAGE	J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P)	SPEC. M361A
GAGE	THE MAGNEHELIC GAGE REVISITED (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 1/23/64, 1P)	AA0300 M3249

GAGES	RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P)	RA0204 M3099
GAMMA	MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLES, A VIEGELMAN. 9/21/64 2P UCID 2420)	RP0104 M3443
GAMMA	PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH. D VORKOEPEP. 12/3/64, 1P)	RP0101 M3454
GAMMA	PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)	RP0101 M3493
GAMMA	PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SPARK CHAMBER SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)	RP0101 M3495
GAP	C MAGNET, 13 IN X 24 IN X 2 1/2 IN GAP, DESIGN CALCULATIONS (K MIRK. 9/23/64, 7P)	AA0114 M3416
GAP	18 X 60, 8-INCH GAP H MAGNET (BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. J WALTER. 5/15/63, 7P)	SPEC. M353
GAP-MOUNTED	EXPERIMENTAL DETERMINATION OF THE INERTIA OF THE MK VIII GAP-MOUNTED FLIP TARGET DRIVE (BEVATRON EXPERIMENTAL FACILITIES. S JOHNSON. 1/15/65, 34P)	BE0702 M3485
GAP-MOUNTED	GAP-MOUNTED FLIP-TARGET (MK VIII-T) LONG COIL WINDING INSTRUCTIONS (BEVATRON. D STONE, D VANECEK. 8/22/63 R9/19/63, 4P)	BE0702 M3123A
GAP-MOUNTED	GAP-MOUNTED FLIP-TARGET (MK VIII-T) SHORT COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/13/63, 3P)	BE0702 M3136
GAP-MOUNTED	GAP-MOUNTED FLIP-TARGET (MK VIII-T) STRAIGHT-TO-CURVED ASSEMBLY PROCEDURE (BEVATRON. K STONE, D VANECEK. 9/16/63, 3P)	BE0702 M3137
GAP-MOUNTED	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K STONE, D VANECEK. 9/13/63, 6P)	BE0702 M3138
GAP-MOUNTED	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/17/63, 5P)	BE0702 M3139
GAS	A RECIRCULATOR AND PURIFIER FOR SPARK-CHAMBER NEON GAS (E MCLAUGHLIN, R SCHAFER. 6/24/64, 1P)	AB0101 M3352
GAS	HYDROGEN GAS TARGET, OPERATION CHECK-LIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P)	BE0709 M3221
GAS	ION SOURCE, NON-IONIZED GAS FLOW (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 5/3/63, 6P)	RC0103 M3039

GAS	LIQUEFIED GAS STORAGE AND EQUIPMENT.	GROUP AB0102
GAS	PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D. VORKOEPEL. 2/4/65, 1P)	RP0101 M3493
GAS	SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS (HYDROGEN SAFETY COMMITTEE. E. MC LAUGHLIN. 2/21/64, 1P)	AA0300 M3265
GAS	1-1/4-IN DIA. X 3-1/8-IN LG. GAS TARGET OPERATING PROCEDURE (W. POPE. 1/28/64, 2P)	AT0101 M3251
GASEOUS	ION SOURCE, GASEOUS HEAT CONDUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R. REIMERS. 4/30/63, 7P)	RC0103 M3044
GASES	RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H. MASECK. 7/18/63, 5P)	RA0204 M3099
GASKET	A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F. MIDDLETON. 11/30/64, 8P)	AC0305 M3455
GASKET	DETERMINATION OF FINAL GASKET BEARING PAD DIMENSIONS (25-INCH HYDROGEN BUBBLE CHAMBER. J. MYALL. 7/19/63, 13P)	HE0103 M3101
GASKET	VACUUM TEST OF A PARKER JIG-O-SEAL GASKET (R. KREVITT. 4/26/63, 2P UCID 1890)	AA0117 M3035
GASKETS	PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D. VORKOEPEL. 2/4/65, 1P)	RP0101 M3493
GATE	DESIGN OF VACUUM GATE VALVE (BEVATRON, BEAM EXIT, QUADRANT II, 89-DEG AREA. A. GLICKSMAN. 8/15/63, 9P)	BE1805 M3272
GATE	STAINLESS-STEEL HIGH VACUUM GATE VALVES, (SPECIFICATION AND PROCUREMENT OF) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R. REIMERS. 4/17/64, 2P UCID 2206)	RC0103 M3309
GAUGE	CALIBRATION OF CVC PHG-90 COLD CATHODE IONIZATION VACUUM GAUGE (MECHANICAL ENGINEERING, GENERAL. G. PFAFF. 1/26/65, 2P)	AA0112 M3484
GAUGE	HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G. PFAFF. 12/19/63, 2P)	AA0112 M3217
GAUGE	THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE	AA0112 M3364A
GAUGE	THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE (G. PFAFF. 12/16/63, 2P)	AA0112 M3210
GAUGE	THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G. PFAFF. 12/17/63, 7P)	AA0112 M3212

GAUGE	THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G PFAFF. 12/17/63 R1/21/64, 8P)	AA0112 M3212A
GEMS	GEMS PS-900 FLOW SWITCH CALIBRATION (BIC-ORGANIC CHEMISTRY LEMMON C-14 ISOTOPE SEPARATOR SOURCE. G BEHRING. 10/28/64, 1P)	RC0500 M3439
GENERAL-ELECTRIC	BROOKHAVEN, CAMBRIDGE, GENERAL-ELECTRIC, TRIP-REPORT (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 6/16/64, 28P)	AC0300 M3344
GENERAL-ELECTRIC	VISITS TO PHELPS-DODGE, REVERE COPPER, ANACONDA AMERICAN BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R. FREY. 6/13/63, 8P)	AA0114 M3079
GERMANY	VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F REINATH. 10/11/63, 6P)	AA0102 M3158
GLASS	CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)	AT0102 M3497
GLASS	FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R WEBER. 2/11/65, 4P)	SPEC. M375
GLASS	GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES, VELOCITY SPECTROMETERS, MARK VI. G EDWARDS. 2/13/64, 4P)	SPEC. M363
GLASS	HEATING AND COOLING OF LARGE OPTICAL GLASS PARTS (25-INCH HYDROGEN BUBBLE CHAMBER. D NORGREN. 8/11/64, 3P)	HE0106 M3386
GLASS	LOCATION OF BOTTOM BUBBLE-CHAMBER GLASS AT ROOM-TEMPERATURE (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/21/63 R10/23/63, 3P)	HE0103 M3168A
GLASS	MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P)	BE1805 M3372
GLASS	TESTING OF GLASS FOR VOLUME RESISTIVITY AS A FUNCTION OF TEMPERATURE (BEVATRON VELOCITY SPECTROMETERS. D IJAMS. 5/4/64 R7/28/64, 6P UCID 2372)	BE0708 M3324A
GLASS	VELOCITY SPECTROMETERS MARK V, GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 4/30/63 R6/21/63 R1/5/65, 2P)	SPEC. M351B
GLASS	VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P)	BE0708 M3472
GLOW	GLOW DISCHARGE CLEANING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/25/63, 4P)	RC0103 M3015

GRADIENT	BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405)	CB0201 M3370
GRADIENT	BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64, 8P)	CB0201 M3438
GRADIENT	GRADIENT MAGNET POLE FACE DEVELOPMENT (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON MAGNETS. V KOPYTOFF. 12/16/64, 5P)	AC0303 M3470
GRADIENT	GRADIENT MAGNETS FOR MAIN RING, C-TYPE (ADVANCED ACCELERATOR. A ROBERTS. 12/11/64, 23P)	SPEC. M374
GRAPHS	MAGNET COST GRAPHS (R MEUSER. 8/4/64, 7P UCID 2338)	AA0114 M3382
GRAVITY	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030
GRID	CW DRIVER TUBE AND GRID CONDENSER COOLING (HEAVY ION ACCELERATOR. E HOYER. 6/26/63, 9P)	LA0102 M3141
GRID	FORTRAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P)	AA0123 M3337
GRILL	PRESTRIPPER TANK GRILL COOLING REQUIREMENTS AT 100-PCT-DUTY-CYCLE (HEAVY ION ACCELERATOR. J SATTI. 9/9/64, 18P)	LA0107 M3409
GRINDING	FLATTENING OF STEEL PLATES BY GRINDING (MOYER BEVATRON RUN, GAMMA SPARK CHAMBER. R PETERS. 11/13/64, 6P)	RP0101 M3456
GROOVE	J GROOVE DESIGN AND DATA FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/21/63, 4P)	AA0117 M3199A
GROOVE	J GROOVE DESIGN FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/6/63, 12/11/63, 5P)	AA0117 M3175A
GROOVE	J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P)	SPEC. M361A
GROOVE	J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P)	SPEC. M361A
HAMBURG	VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F REINATH. 10/11/63, 6P)	AA0102 M3158
HANDLING	HANDLING AND CLEANING OF COATED OPTICS (25-INCH HYDROGEN BUBBLE CHAMBER, CAMERA OPTICS. D NORRGREN. 9/25/63, 1P)	HE0105 M3149
HARDWARE	EXPERIMENTAL AREA, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/28/64, 1P)	AC1100 M3247

HARDWARE	HOOK-SUSPENDED LIFTING HARDWARE (BEVATRON. J SHIVELY. 8/7/63, 1P)	BE0610 M3115
HARDWARE	INJECTOR, MECHANICAL HARDWARE AND ENGINEERING, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P)	AC0300 M3246
HASTINGS	HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P)	AA0112 M3217
HEADS	EXTRA COOLING FOR HEADS AND HALF DRIFT-TUBES (HEAVY ION ACCELERATOR. W BRUNK. 8/19/64, 7P)	LA0107 M3395
HEADS	SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P)	AT0102 M3235
HEAT	DEPENDENCE OF RADIATION HEAT-TRANSFER ON HEAT SHIELD SPACING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/23/63, 2P)	RC0103 M3034
HEAT	HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES (J TURNER. 10/15/63, 2P)	AA0106 M3160
HEAT	HEAT LOADS AND COOLING WATER REQUIREMENTS (HEAVY ION ACCELERATOR PRE AND POST STRIPPER COOLING. R BYRNS. 7/24/64, 2P)	LA0107 M3417
HEAT	ION SOURCE, GASEOUS HEAT CONDUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/30/63, 7P)	RC0103 M3044
HEAT	POSTSTRIPPER DRIFT TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T HENDERSON. 1/27/65, 2P)	LA0105 M3487
HEAT-TRANSFER	DEPENDENCE OF RADIATION HEAT-TRANSFER ON HEAT SHIELD SPACING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/23/63, 2P)	RC0103 M3034
HEAT-TRANSFER	HEAT-TRANSFER CEMENTS, (COMPARISON OF SEVERAL) (BEVATRON INJECTOR II. S JOHNSON. 8/21/61, 2P)	BE0905 M3002
HEATER	HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P)	AA0112 M3217
HEATERS	ELECTRIC HEATERS ON HYDROGEN TARGET RESERVOIRS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)	AA0300 M3450
HEATING	HEATING AND COOLING OF LARGE OPTICAL GLASS PARTS (25-INCH HYDROGEN BUBBLE CHAMBER. D NORGREN. 8/11/64, 3P)	HE0106 M3386
HEATING	SUPERCONDUCTING SOLENOID, HEATING OF COPPER CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/11/65, 20P UCID 2446)	RC0102 M3479
HEATING	18-PCT-DUTY-FACTOR-OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 11/1/62, 58P)	LA0105 M3065

HEAVY-ION HELIUM	HEAVY-ION ACCELERATOR LIQUID HELIUM COOLED TEST CHAMBER AND EXPERIMENT (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G. BEHRING. 12/4/64, 7P UCID 2436)	GROUP LA0100 RC0102 M3458
HELIUM	LIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE (HYDROGEN SAFETY COMMITTEE. H. HERNANDEZ. 9/9/63, 3P)	AA0300 M3133
HELIUM	MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. V. KOPYTOFF. 5/16/63, 7P)	RP0102 M3053
HELIUM HELIUM	TARGETS, HYDROGEN, HELIUM 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. H. HERNANDEZ, L HANSEN, V. KOPYTOFF. 3/25/63, 11P)	GROUP AT0100 RP0102 M3014
HEMATITE	MAGNETITE OR HEMATITE HIGH-DENSITY 225-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. M. POLIVKA. 4/10/62, R4/20/62, R6/12/63, R4/17/64, 5P)	SPEC. M15C
HEMISPHERES	BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W. POPE. 1/20/64, 5P)	AT0102 M3252
HERO	CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE TRIPLET MAGNET HERO (184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSING MAGNETS. D ROTHFUSS. 8/30/63, 4P)	SPEC. M359
HERO	12-INCH DIAMETER 16-16 QUADRUPOLE MAGNET HERO (184-INCH CYCLOTRON. D. ROTHEUSS. 2/5/63, 4P)	SPEC. M346
HIGH-DENSITY	HIGH-DENSITY, 300-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. T. TAYLOR. 7/9/62, R8/64, R10/64, R2/5/65, 7P)	SPEC. M16C
HIGH-DENSITY	MAGNETITE OR HEMATITE HIGH-DENSITY 225-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. M. POLIVKA. 4/10/62, R4/20/62, R6/12/63, R4/17/64, 5P)	SPEC. M15C
HIGH-PRESSURE	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECK-LIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J. WALTER. 7/1/64, 4P)	BE0709 M3355
HIGH-STRENGTH	PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRE-STRIPPER STEM CLAMPS (HEAVY ION ACCELERATOR. E HOYER. 7/19/63, 2P)	LA0101 M3100
HIGH-VOLTAGE	HIGH-VOLTAGE TERMINAL, INSTRUCTIONS FOR LOWERING AND RAISING SERVICING PLATFORM (BEVATRON INJECTOR II ION SOURCE. W. EATON. 3/29/63, 1P)	BE0902 M3017
HIPPENSTAHL	HIPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS (BEVATRON. J. OORT. 1/10/63, 14P)	BE1130 M3076
HOIST	ELECTRIC HOIST ACCEPTANCE TEST (BEVATRON. R. KREVITT. 4/1/64, 3P)	BE0610 M3289

HOIST	ELECTRIC HOIST ACCEPTANCE TEST AND A FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P)	BE0610 M3289A
HOOK	EXAMINATION OF 30-TON A CRANE HOOK (BEVATRON. J SHIVELY. 5/27/63, 2P)	BE0610 M3062
HOOK-SUSPENDED	HOOK-SUSPENDED LIFTING HARDWARE (BEVATRON. J SHIVELY. 8/7/63, 1P)	BE0610 M3115
HOSE	DESIGN FOR HOSE BARBS FOR 1/4-IN I.D. WEATHERHEAD H-9 HOSE (PROPOSED) (BEVATRON. S WASILIK. 3/12/64, 3P)	BE0705 M3293
HOSE	DESIGN FOR HOSE BARBS FOR 1/4-IN I.D. WEATHERHEAD H-9 HOSE (PROPOSED) (BEVATRON. S WASILIK. 3/12/64, 3P)	BE0705 M3293
HOSE	HOSE CONNECTION ADHESIVE TEST (HEAVY ION ACCELERATOR, IGNITRON. TEMPERATURE CONTROL SYSTEM, INSULATING WATER COIL. E HOYER. 6/25/63, 3P)	LA0103 M3083
HOSE	HOSE EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 10/16/63, 8P UCID 2335)	AA0112 M3162
HOSE	PREFERRED MAGNET WATER HOSE ASSEMBLY (R BURLEIGH. 5/15/63, 2P UCID 2331)	AA0114 M3047
HOSE	WEATHERHEAD H-9 HOSE AND BARB VARIATIONS TO ALLOW EASY ASSEMBLY AND LEAK TIGHTNESS (HEAVY ION ACCELERATOR. R. PARSONS. 3/10/64, 1P)	LA0102 M3280
HOSES	AN APPRAISAL OF WATER COOLING HOSES (BEVATRON. S WASILIK. 12/4/63, 33P)	BE0705 M3208
HOSES	ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J ROSKELLEY. 2/4/64, 3P)	BE0705 M3256
HYDRAULIC	HYDRAULIC CLIPPER PLUNGER DESCRIPTION AND OPERATION (EAST INSIDE. SOUTH) (BEVATRON. R EDWARDS. 4/29/63, 14P)	BE0702 M3036
HYDRAULIC HYDROGEN	SEALS, VACUUM, PRESSURE, HYDRAULIC CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)	GROUP AA0117 AT0102 M3497
HYDROGEN	DISPERSIVE POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS (INORGANIC MATERIALS RESEARCH LOW-TEMPERATURE PROPERTIES OF MATERIALS. D NORGRN. 7/30/64, 3P UCID 2340)	RA0203 M3335
HYDROGEN	ELECTRIC HEATERS ON HYDROGEN TARGET RESERVOIRS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)	AA0300 M3450
HYDROGEN	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECK-LIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P)	BE0709 M3355
HYDROGEN	HYDROGEN ANNEALING OF MU-METAL SHIELDS (V ROMANO. 10/6/64, 1P)	SPEC. M370
HYDROGEN	HYDROGEN GAS TARGET, OPERATION CHECK-LIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P)	BE0709 M3221

HYDROGEN	HYDROGEN TARGET OPERATING PROCEDURE WITH 150-LITER DEWAR (E MCLAUGHLIN. 10/8/64, 5P UCID 3281)	ATO101 M3419
HYDROGEN	LIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 9/9/63, 3P)	AA0300 M3133
HYDROGEN	MINUTES OF HYDROGEN SAFETY COMMITTEE	GROUP AA0300
HYDROGEN	SAFETY ASPECTS OF THE HYDROGEN SPARK-CHAMBER (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 8/7/63, 13P)	RA0204 M3114
HYDROGEN	TARGETS, HYDROGEN, HELIUM	GROUP ATO100
HYDROGEN	TENTATIVE SPECIFIC INSTRUCTIONS FOR SMALL LIQUID HYDROGEN EXPERIMENTS LOCATED IN CLOSED ROOMS (HYDROGEN SAFETY COMMITTEE. W. CHAMBERLAIN. 11/18/64 R4/29/64, 4P)	AA0300 M3188A
HYDROGEN	UNATTENDED INDUSTRIAL-TYPE LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/11/63, 1P)	AA0300 M3206
HYDROGEN	25-IN HYDROGEN BUBBLE-CHAMBER	GROUP HE0100
HYDROGEN	72-IN HYDROGEN BUBBLE-CHAMBER	GROUP HD0100
HYPERFRAGMENT	HYPERFRAGMENT EXPERIMENT, SAFETY OF EQUIPMENT AND INSTALLATION (30-INCH PROPANE CHAMBER. V. KOPYTOFF. 3/16/64, 2P)	PC0101 M3282
IBM	SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTERS 1, 2, AND 3) (M FLEMING. 8/14/64, 28P)	AA0123 M3393
IBM	SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTER 4, APPENDIX A/AND INDEX) (M FLEMING. 8/19/64, 31P)	AA0123 M3394
IGNITRON	PULSE-LINE IGNITRON TEMPERATURE CONTROL-SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E HOYER. 5/31/63, 3P)	LA0101 M3067
IMPREGNATION	VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P)	SPEC. M358
IMPREGNATION	VACUUM IMPREGNATION OF MAGNET COILS WITH LRL EPOXY FORMULATION NO. CI2E (J TURNER. 11/8/63, R12/11/63, 5P)	SPEC. M360A
IMPULSE	MAGNET COIL IMPULSE TESTING (V ROMANO. 11/11/63, 4P)	AA0114 M3191
INDEX	INDEX TO BEVATRON LINAC ENGINEERING NOTES (BEVATRON INJECTOR, II. R. KILPATRICK. 12/18/63, 1P)	BE0905 M3215
INDEX	MD. SERIES SHIELDING BLOCK INDEX (184-INCH CYCLOTRON. W BRUNK. 4/5/63, 1P)	CA0101 M3019
INDEXING	DOCUMENT PREPARATION, INDEXING, RETRIEVAL.	GROUP AA0128
INDICATING	PILE CAP POSITION REMOTE INDICATING READ-OUT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATIONS AND SUPPORT. F MIDDLETON. 2/9/65, 7P)	AC0404 M3500

INDICATOR	A NEW TYPE WATER FLOW SWITCH AND INDICATOR (W. EATON, F CROSBY. 6/15/64, 3P)	A80101 M3340
INDICATOR	STUDY OF MAGNETO-OPTICS AS APPLIED TO A QUADRUPOLE MAGNET CENTER INDICATOR (BEVATRON. S WASILIK. 5/11/64, 11P)	BE0705 M3329
INDUCTANCE	APPROXIMATE INDUCTANCE CALCULATION FOR A MODIFIED CONFORMAL H MAGNET (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/25/64, 11P)	AC0505 M3261
INERTIA	EXPERIMENTAL DETERMINATION OF THE INERTIA OF THE MK VIII GAP-MOUNTED FLIP TARGET DRIVE (BEVATRON EXPERIMENTAL FACILITIES. S JOHNSON. 1/15/65, 34P)	BE0702 M3485
INFLECTOR	ALTERNATIVES SHOULD THE INFLECTOR MAGNET COIL IM-3 BECOME INOPERATIVE (BEVATRON INJECTOR II. S JOHNSON. 8/19/63 R8/26/63, 2P)	BE0907 M3118A
INFLECTOR	INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P)	BE0907 M3420B
INFORMATION-SYSTEM	TECHNICAL INFORMATION-SYSTEM AND CURRENT AWARENESS 3M MICROFORUM, (DECEMBER 6, 1963) (TRIP-REPORT. J RATCLIFFE. 1/31/64, 6P)	AA0102 M3253
INJECTION	COST ESTIMATES FOR 2 AND 6 GEV INJECTION, C AND H MAGNET LAYOUTS (ADVANCED ACCELERATOR, MAGNET SUPPORT BEAMS AND FOUNDATIONS. W SALSIG. 1/23/64, 17P UCID 2089)	AC0404 M3243
INJECTION	PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P)	AC0409 M3244
INJECTOR	ADVANCED-ACCELERATOR, LINAC INJECTOR	GROUP AC0200
INJECTOR	ADVANCED-ACCELERATOR, SYNCHROTRON INJECTOR	GROUP AC0300
INJECTOR	INJECTOR, MECHANICAL HARDWARE AND ENGINEERING, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P)	AC0300 M3246
INJECTOR-II	BEVATRON, INJECTOR-II	GROUP BE0900
INORGANIC	A TECHNIQUE FOR THIN INORGANIC FILM PRODUCTION AND MOUNTING (D O CONNELL. 5/3/63, 1P)	AA0503 M3105
INORGANIC	INORGANIC MATERIALS RESEARCH	GROUP RA0200
INORGANIC	THIN, UNBACKED METAL AND OTHER INORGANIC FILMS (D O CONNELL. 5/3/63, 2P)	AA0503 M3107
INSPECTION	NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION (R NICKERSON. 5/7/63, 1P)	SPEC. M352
INSPECTION	SUMMARY OF FIELD INSPECTION OF SHIELDING BLOCKS (BEVATRON-SHIELDING. R MILLER. 6/14/63, 3P)	BE1130 M3075
INSTALLATION	HYPERFRAGMENT EXPERIMENT, SAFETY OF EQUIPMENT AND INSTALLATION (30-INCH PROPANE CHAMBER. V KOPYTOFF. 3/16/64, 2P)	PC0101 M3282

INSTALLATION	MACHINE INSTALLATION, VISIBILITY OF MACHINE COMPONENTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F. BUCHTEL. 5/9/63, 3P)	RC0103 M3049
INSTALLATION	MACHINE INSTALLATION, REINFORCEMENT OF FLOOR FOR ADDITIONAL LOADING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F. BUCHTEL. 5/15/63 R7/3/63, 3P)	RC0103 M3051A
INSTALLATION	MACHINE INSTALLATION BUILDING-70, COST ESTIMATE OF BUILDING MODIFICATION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F. BUCHTEL. 5/22/63, 1P)	RC0103 M3058
INSTALLATION	MACHINE INSTALLATION BUILDING-70, (GENERAL PROBLEM STATEMENT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F. BUCHTEL. 7/3/63, 6P)	RC0103 M3090
INSTALLATION	MACHINE INSTALLATION BUILDING 70, (WEIGHT OF ENTIRE PROJECT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R. ESCOBAL. 11/8/63, 4P)	RC0103 M3182
INSTALLATION	MAIN PROBE, BEAM CLIPPER, FUNCTION AND INSTALLATION PROCEDURE (184-INCH CYCLOTRON, CENTRAL AREA STUDIES. L. GLASGOW. D. ROTHFUSS. 1/8/65, 5P)	CA0206 M3477
INSTALLATION	PROPOSALS FOR AN ANALOG COMPUTER INSTALLATION (S. JOHNSON. 7/2/63, 2P)	AA0123 M3088
INSTALLATION	TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S. JOHNSON. 7/27/64, 1P)	AA0102 M3373
INSTALLING	PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRE-STRIPPER STEM CLAMPS (HEAVY ION ACCELERATOR. E. HOYER. 7/19/63, 2P)	LA0101 M3100
INSTRUCTION	MOTOR-GENERATOR NO. 6 BEARING LUBRICATION INSTRUCTION (BEVATRON. H. FALSTER. 6/20/63, 1P)	BE0706 M3080
INSTRUCTION	SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTERS 1, 2, AND 3) (M. FLEMING. 8/14/64, 28P)	AA0123 M3393
INSTRUCTION	SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTER 4, APPENDIX A/AND INDEX) (M. FLEMING. 8/19/64, 31P)	AA0123 M3394
INSTRUCTIONS	GAP-MOUNTED FLIP-TARGET (MK VIII-T) LONG COIL WINDING INSTRUCTIONS (BEVATRON. D. STONE, D. VANECEK. 8/22/63 R9/19/63, 4P)	BE0702 M3123A
INSTRUCTIONS	GAP-MOUNTED FLIP-TARGET (MK VIII-T) SHORT COIL WINDING INSTRUCTIONS (BEVATRON. K. STONE, D. VANECEK. 9/13/63, 3P)	BE0702 M3136
INSTRUCTIONS	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K. STONE, D. VANECEK. 9/17/63, 5P)	BE0702 M3139

INSTRUCTIONS	HIGH-VOLTAGE TERMINAL, INSTRUCTIONS FOR LOWERING AND RAISING SERVICING PLATFORM (BEVATRON INJECTOR II ION SOURCE. W EATON. 3/29/63, 1P)	BE0902 M3017
INSTRUCTIONS	INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P)	BE0907 M3420B
INSTRUCTIONS	INSTRUCTIONS FOR THE USE OF MAGNETO-OPTICAL TARGET 13Q8894 (BEVATRON. S WASILIK. 10/5/64, 2P)	BE0705 M3422
INSTRUCTIONS	OPERATING INSTRUCTIONS AND CHECK-LIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A GLICKSMAN. 3/21/63, 3P)	BE0709 M3004
INSTRUCTIONS	OPERATING INSTRUCTIONS AND CHECK-LIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A GLICKSMAN. 5/15/63, 3P)	BE0709 M3055
INSTRUCTIONS	PULSE-LINE IGNITRON TEMPERATURE CONTROL-SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E HOYER. 5/31/63, 3P)	LA0101 M3067
INSTRUCTIONS	TENTATIVE SPECIFIC INSTRUCTIONS FOR SMALL LIQUID HYDROGEN EXPERIMENTS LOCATED IN CLOSED ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 11/18/64 R4/29/64, 4P)	AA0300 M3188A
INSTRUMENT	DIAGNOSTIC INSTRUMENT PACKAGE USING STEEL VESSEL, PRELIMINARY INVESTIGATION (R MEUSER. 3/28/63, 11P)	AB0402 M3021
INSTRUMENT	NINETEENTH ANNUAL INSTRUMENT SOCIETY OF AMERICA CONFERENCE AND EXHIBIT (TRIP REPORT. G BEHRING. 11/2/64 4P)	AA0102 M3446
INSTRUMENT	PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P)	AA0113 M3110
INSTRUMENTATION	OPTICAL INSTRUMENTATION AND TOOLING	GROUP AA0501
INSULATION	70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J TURNER. 11/20/63, 6P)	LA0102 M3196
INSULATOR	ELECTRODE SUPPORT INSULATOR, 13N3722 (BEVATRON EXPERIMENTAL FACILITIES VELOCITY SPECTROMETERS - MARK V. G EDWARDS. 5/27/63, R7/23/63, 1P)	SPEC. M355A
INTERFEROMETRY	MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P)	AA0501 M3482
INTERLOCK	THE DALL-TUBE FLOW INTERLOCK (A FIRST LOOK) (BEVATRON INJECTOR II S JOHNSON. 7/18/63, 4P)	BE0905 M3098
INTERLOCKING	INTERLOCKING FOR SPARK-CHAMBER POWER SUPPLIES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 6/25/63, 1P UCID 1935)	AA0300 M3085

CA0200 M3474	KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS, TEST PROCEDURE (184-INCH CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS, L GLASGOW, 11/4/65, 3P)	INTERLOCKS
AA0118 M3183	SOME CRITERIA FOR FLOW INTERLOCKS (R BURLIGH, 11/14/63, 3P, UCID 2231)	INTERLOCKS
AB0402 M3021	DIAGNOSTIC INSTRUMENT PACKAGE USING STEEL VESSEL, PRELIMINARY INVESTIGATION (R MEUSER, 3/28/63, 11P)	INVESTIGATION
CB0121 M3359	INVESTIGATION OF PERMATEX NO. 2 SEALING COMPOUND AS VACUUM SEAL (88-INCH CYCLOTRON DEE TANK, D VORKOEPER, 7/3/64, 2P, UCID 2403)	INVESTIGATION
AB0108 M3306	MAGNET COILS CONSTRUCTED OF WATER-COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER, 4/15/64, 14P, UCID 2185)	INVESTIGATIONS
GROUP AB0108	CALCULATIONS INVOLVING THE VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT 1-M 2 MAGNET (BEVATRON INJECTOR II, INJECTOR SECTION, MAGNET SUPPORT ASSEMBLY, S MASLIK, 8/12/63, 11P)	ION
CB0130 M3059	ION SOURCE ANODE POSITION (88-INCH CYCLOTRON, J HAUGHIAN, 5/24/63, 1P, UCID 2230)	ION
RC0103 M3153	ION SOURCE PROBE MANIPULATION MECHANISM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS, J MAGNER, 9/26/63, 2P)	ION
RC0103 M3044	ION SOURCE, GASEOUS HEAT CONDUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS, R REIMERS, 4/30/63, 7P)	ION
RC0103 M3039	ION SOURCE, NON-IONIZED GAS FLOW (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS, R REIMERS, 5/3/63, 6P)	ION
RC0103 M3023	ION SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS, R REIMERS, 4/12/63, 2P)	ION
RC0103 M3305	ION VACUUM PUMP CHARACTERISTICS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS, R REIMERS, 4/14/64, 2P, UCID 2183)	ION
RA0204 M3099	RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT, H MASECK, 7/18/63, 5P)	IONIZATION
AA0112 M3484	CALIBRATION OF CVC PHG-90 COLD CATHODE IONIZATION VACUUM GAUGE (MECHANICAL ENGINEERING, GENERAL, G PFAFF, 1/26/65, 2P)	IRIS
AA0114 M3387	CONSTRUCTION AND CHARACTERISTICS OF SOLENOID MAGNET IRIS, 5 IN ID, 20 KG (R MORGAST, 8/12/64, 7P)	

ISOCRONOUS	A METHOD FOR SHAPING THE 88-INCH CYCLOTRON MAGNETIC FIELD FOR ISOCRONOUS ACCELERATION (88-INCH CYCLOTRON. F SELPH. 8/12/63, 22P UCID 1983)	CB0101 M3122
ISOLATION	NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING, H MASECK. 9/16/63, 23P UCID 1988)	RA0203 M3147
ISOLATION	70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J TURNER. 11/20/63, 6P)	LA0102 M3196
ISOTOPE	CASCADE ISOTOPE SEPARATOR, PROGRESS REPORT NUMBER 10 (CHEMISTRY RESEARCH. R REIMERS. 2/26/65, 1P)	RC0103 M3505
ISOTOPE	ISOTOPE SEPARATOR BAKING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 4P)	RC0103 M3007
JACKET	PRESSURE TEST OF LOWER VACUUM JACKET ASSEMBLY (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)	AA0300 M3449
JACKET	STRESS ANALYSIS OF POST-STRIPPER TANK WITH THE NEW WATER JACKET COOLING-SYSTEM (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 31P)	LA0107 M3465
JAR	CUSTOM VACUUM BELL JAR (J HAUGHIAN. 4/22/63, 13P)	AB0403 M3033
JIB	DESIGN OF ROOF JIB CRANE (BEVATRON HANDLING EQUIPMENT. S WORTMAN. 11/8/64, 12P)	BE0610 M3459
JIG	MIRROR TARGET ROTATIONAL ACCURACIES BY JIG TRANSIT (OBSERVATIONS FROM TWELVE FEET) (STANFORD LINEAR ACCELERATOR CENTER. J.SCHOLES, A VIEGELMANN. 10/23/64, 3P UCID 2419)	AA0901 M3442
JIG-O-SEAL	VACUUM TEST OF A PARKER JIG-O-SEAL GASKET (R KREVITT. 4/26/63, 2P UCID 1890)	AA0117 M3035
JOINT	JOINT AUTOMATIC CONTROLS CONFERENCE AT STANFORD UNIVERSITY 1964 (S JOHNSON. 7/3/64, 3P)	AA0102 M3361
JOINTS	A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F MIDDLETON. 11/30/64, 8P)	AC0305 M3455
JOINTS	PREFERRED PRACTICES FOR MAGNET COIL CONDUCTOR JOINTS AND TESTS (R BURLEIGH. 8/7/63, 10P)	AA0114 M3113
JULIUS	COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF SOLIDS. G BEHRING. 10/9/63, 3P)	RA0203 M3161
JUMPS	SUPERCONDUCTING SOLENOID, EFFECTS OF FLUX JUMPS (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/6/65, 10P UCID 2444)	RC0102 M3476

KENNEY	KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPEP. 10/14/64, 1P)	RP0101 M3429
KINNEY-KC-8	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, KINNEY-KC-8 (G PFAFF. 3/4/65, 4P)	AA0112 M3509
KLIXON	BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS (BEVATRON EXTERNAL PROTON BEAM. D MORRIS. 8/18/64, 1P UCID 2365)	BE0806 M3391
KLIXON	KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS, TEST PROCEDURE (184-INCH CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS. L GLASGOW. 1/4/65, 3P)	CA0200 M3474
KLIXON	TESTING KLIXON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P)	BE0806 M3193
KOVAR-7052	CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)	AT0102 M3497
LABORATORY	FIELD-FREE LABORATORY SPECTROMETER IMPROVEMENT, (PROGRESS MEETING) (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 5/28/63, 2P)	RC0101 M3063
LABORATORY	FIELD-FREE LABORATORY CHILLER MODIFICATION (CHEMISTRY RESEARCH. BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 12/5/63, 2P)	RC0101 M3203
LABORATORY	TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S JOHNSON. 7/27/64, 1P)	AA0102 M3373
LABORATORY	VISIT TO ARGONNE NATIONAL LABORATORY, (SEPTEMBER 29, 1964) (TRIP REPORT. G EDWARDS. 10/19/64, 1P)	AA0102 M3432
LABORATORY	VISIT TO BROOKHAVEN NATIONAL LABORATORY (TRIP REPORT. A BABIN. 6/5/63 2P)	AA0102 M3072
LAMINATED	MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P)	BE1805 M3372
LAMINATING	PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SPARK CHAMBER SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)	RP0101 M3495
LAMINATION	AUXILIARY MAGNET M4, DESIGN OF YOKE LAMINATION BOLTS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/23/63, 15P UCID 2333)	BE0804 M3103
LASER	MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P)	AA0501 M3482

LAYOUTS	COST ESTIMATES FOR 2 AND 6 GEV INJECTION, C AND H MAGNET LAYOUTS (ADVANCED ACCELERATOR, MAGNET SUPPORT BEAMS AND FOUNDATIONS. W SALSIG. 1/23/64, 17P UCID 2089)	AC0404 M3243
LCW	RECOMMENDED CHANGES TO LCW SYSTEMS TO ACCOMMODATE NEW LOADS (BEVATRON. W EATON, F. CROSBY. 11/20/63, 3P)	BE0104 M3192
LEAD	A DEVICE FOR RAPID AND THOROUGH CHECKING OF LEAD SCREWS (J HODGES 9/10/64, 2P UCID 2362)	AA0501 M3408
LEAK	WEATHERHEAD H-9 HOSE AND BARB VARIATIONS TO ALLOW EASY ASSEMBLY AND LEAK TIGHTNESS (HEAVY ION ACCELERATOR. R PARSONS. 3/10/64, 1P)	LA0102 M3280
LEAKS	HISTORY OF REPAIRS TO LEAKS IN MAIN VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. J HART. 3/19/64, 6P)	CB0121 M3285
LEAST-SQUARES	LEAST-SQUARES TECHNIQUE USING MATRICES (R SCHWARZ. 7/29/63, 5P)	AA0123 M3109
LEAST-SQUARES	POLYNOMIAL LEAST-SQUARES FIT BY MATRICES (R SCHWARZ. 8/20/63 R8/21/63, 5P)	AA0123 M3117A
LEG	REDUCING STRESS VARIATION IN MAGNET CORES WITH LEG AT ENDS (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 5/12/64, 4P)	AC0505 M3326
LH2	PRESSURE TEST OF ALL ALUMINUM LH2 FLASK (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 1/6/64, 1P)	AA0300 M3225
LIAISON	TECHNICAL LIAISON BETWEEN UCLRL MECHANICAL ENGINEERING DEPARTMENT AND FABRICATOR (R FREY. 5/13/63 1P)	AA0101 M3045
LIFTING	BLOCK LIFTING FIXTURE ARMS, ADAPTER AND 1-1/2-IN DIAMETER PIN (BEVATRON. S WORTMAN. 11/18/63, 3P)	BE0610 M3186
LIFTING	BLOCK LIFTING FIXTURE STRESSES (BEVATRON SHIELDING. D MORRIS. 5/2/63, 9P)	BE1130 M3041
LIFTING	HOOK-SUSPENDED LIFTING HARDWARE (BEVATRON. J SHIVELY. 8/7/63, 1P)	BE0610 M3115
LIFTING	MAGNET LIFTING FIXTURE CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 5/10/62, 3P)	BE0906 M3013
LIFTING	NON-DESTRUCTIVE TESTING FOR LIFTING LINKS (STANDARD SPECIFICATION. R NICKERSON. M ELLIOTT. 3/11/63, 1P)	SPEC. M17
LIFTING	SAFETY FACTOR FOR LIFTING LINKS (184-INCH CYCLOTRON, IMPROVEMENTS. A DANCOSSE. 8/27/63, 1P)	CA0202 M3126
LIFTING	STRESS ANALYSIS OF A MATERIAL LIFTING FIXTURE IS WASILIK. 10/16/64, 7P)	AA0118 M3431
LIFTING	12QB AUXILIARY MAGNETS SPECIAL LIFTING FRAME FOR USE IN ASSEMBLY BUILDING (BEVATRON. V FLETCHER. 12/19/63 R3/5/64, 6P)	BE0705 M3220A
LINAC	ADVANCED-ACCELERATOR, LINAC INJECTOR	GROUP AC0200
LINAC	FLOW SWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P)	BE0905 M3351

LINAC	INDEX TO BEVATRON LINAC ENGINEERING NOTES (BEVATRON INJECTOR II. R KILPATRICK. 12/18/63, 1P)	BE0905 M3215
LINAC	LINAC DRIFT-TUBE MAGNETS, DRAWING NUMBERS (BEVATRON INJECTOR II. M FLEMING. 12/18/63, 1P)	BE0905 M3214
LINAC	LINAC SUPPORT STANDS, STRESS ANALYSIS (BEVATRON INJECTOR II. R MEUSER. 8/9/63, 12P)	BE0905 M3116
LINEAR	VISIT TO STANFORD LINEAR ACCELERATOR (TRIP REPORT. R MEUSER. 10/28/63, 3P)	AA0102 M3173
LINKS	NON-DESTRUCTIVE TESTING FOR LIFTING LINKS (STANDARD SPECIFICATION. R NICKERSON. M ELLIOTT. 3/11/63, 1P)	SPEC. M17
LINKS	SAFETY FACTOR FOR LIFTING LINKS (184-INCH CYCLOTRON, IMPROVEMENTS. A DANCOSSE. 8/27/63, 1P)	CA0202 M3126
LIQUEFIED LIQUID	LIQUEFIED GAS STORAGE AND EQUIPMENT. CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)	GROUP AB0102 AT0102 M3497
LIQUID	DISPERSIVE POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS (INORGANIC MATERIALS RESEARCH LOW-TEMPERATURE PROPERTIES OF MATERIALS. D NORNGREN. 7/30/64, 3P UCID 2340)	RA0203 M3335
LIQUID	LIQUID DEUTERIUM TARGET FOR ARGONNE (R WOLGAST. 8/28/64, 3P UCID 2352)	AT0102 M3402
LIQUID	LIQUID HELIUM COOLED TEST CHAMBER AND EXPERIMENT (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 12/4/64, 7P UCID 2436)	RC0102 M3458
LIQUID	LIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 9/9/63, 3P)	AA0300 M3133
LIQUID	LIQUID NITROGEN LEVEL CONTROL-SYSTEM (R CHANEY. 5/13/63, 2P)	AB0102 M3050
LIQUID	MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. V KOPYTOFF. 5/16/63, 7P)	RP0102 M3053
LIQUID	MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P)	RC0101 M3096
LIQUID	STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E MCLAUGHLIN. 7/31/63, 15P)	AT0102 M3111
LIQUID	TENTATIVE SPECIFIC INSTRUCTIONS FOR SMALL LIQUID HYDROGEN EXPERIMENTS LOCATED IN CLOSED ROOMS (HYDROGEN SAFETY COMMITTEE. W CHAMBERLAIN. 11/18/64 R4/29/64, 4P)	AA0300 M3188A
LIQUID	UNATTENDED INDUSTRIAL-TYPE LIQUID HYDROGEN DEWARS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/11/63, 1P)	AA0300 M3206

LIQUID	8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. H HERNANDEZ, L HANSEN, V KOPYTOFF. 3/25/63, 11P)	RP0102 M3014
LITTON-IND	WESGO, LITTON-IND, AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTON VACUUM SYSTEM. G BEHRING. 2/19/65, 4P)	AC0305 M3503
LOGARITHMIC	FORTAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P)	AA0123 M3337
LOOPS	COOLING WATER FLOW REQUIREMENTS FOR TUNING LOOPS (HEAVY ION ACCELERATOR, 100-PCT-DUTY-FACTOR-OPERATION. E HOYER. 7/16/63, 2P)	LA0105 M3097
LOW-CONDUCTIVITY	ADJUSTMENTS AND ALTERATIONS TO THE TOWER-4 LOW-CONDUCTIVITY WATER-SYSTEM AND LOADS (BEVATRON. W EATON. 8/2/63, 3P)	BE0104 M3112
LOW-POWER	LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE TIP PHYSICAL REALIGNMENT (BEVATRON. R EDWARDS. 5/15/63, 2P)	BE0701 M3048
LOW-PRESSURE	PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPEL. 2/4/65, 1P)	RP0101 M3493
LOW-PRESSURE	SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 2/21/64, 1P)	AA0300 M3265
LOW-TEMPERATURE	LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRING. 10/23/64, 3P)	RC0102 M3435
LUBRICATION	MOTOR-GENERATOR NO. 6 BEARING LUBRICATION INSTRUCTION (BEVATRON. H FALSTER. 6/20/63, 1P)	BE0706 M3080
MACHINE	DIAZO PRINT MACHINE (PURCHASE SPECIFICATION FOR MECHANICAL ENGINEERING DEPARTMENT. P BEAN. 5/17/63, 3P)	SPEC. M354
MACHINE	DIAZO PRINT MACHINE (MECHANICAL ENGINEERING DEPARTMENT. P BEAN. 2/16/65, 4P)	SPEC. M376
MACHINE	MACHINE INSTALLATION, VISIBILITY OF MACHINE COMPONENTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/9/63, 3P)	RC0103 M3049
MACHINE	MACHINE INSTALLATION, VISIBILITY OF MACHINE COMPONENTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/9/63, 3P)	RC0103 M3049
MACHINE	MACHINE INSTALLATION, REINFORCEMENT OF FLOOR FOR ADDITIONAL LOADING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/15/63, 3P)	RC0103 M3051A

MACHINE	MACHINE INSTALLATION BUILDING-70, COST ESTIMATE OF BUILDING MODIFICATION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F. BUCHTEL. 5/22/63, 1P)	RC0103 M3058
MACHINE	MACHINE INSTALLATION BUILDING-70, (GENERAL PROBLEM STATEMENT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F. BUCHTEL. 7/3/63, 6P)	RC0103 M3090
MACHINE	MACHINE INSTALLATION BUILDING 70, (WEIGHT OF ENTIRE PROJECT) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R. ESCOBAL. 11/8/63, 4P)	RC0103 M3182
MACHINE	MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E. HOYER. 6/4/63, 13P)	LA0105 M3070
MAGNA	OPERATION OF MAGNA DISSOLVED OXYGEN-CONTENT METER (BEVATRON INJECTOR II. S. JOHNSON. 8/22/63, 2P)	BE0905 M3124
MAGNEHELIC	THE MAGNEHELIC GAGE REVISITED (HYDROGEN SAFETY COMMITTEE. E. MC LAUGHLIN. 1/23/64, 1P)	AA0300 M3249
MAGNESIA	A REFLECTIVE COATING OF MAGNESIA AND SODIUM SILICATE FOR CERENKOV COUNTERS (H. KRAPE, J. BYCE. 9/30/64, 2P)	AA0500 M3425
MAGNET	A POSSIBLE MAGNET ALIGNMENT-SYSTEM AND ITS IMPLICATIONS (ADVANCED ACCELERATOR, MAIN RING. W. SALSIG. 11/27/63, 18P. UCID 2018)	AC0508 M3200
MAGNET	ALTERNATIVES SHOULD THE INFLECTOR MAGNET COIL IM-3 BECOME INOPERATIVE (BEVATRON INJECTOR II. S. JOHNSON. 8/19/63 R8/26/63, 2P)	BE0907 M3118A
MAGNET	AN ECONOMICAL METHOD FOR MONITORING MAGNET ALIGNMENT DURING OPERATION (ADVANCED ACCELERATOR, MAIN RING. W. CHAMBERLAIN. 1/23/64, 10P)	AC0508 M3237
MAGNET	APPROXIMATE INDUCTANCE CALCULATION FOR A MODIFIED CONFORMAL H MAGNET (ADVANCED ACCELERATOR, MAIN RING. R. KILPATRICK. 2/25/64, 11P)	AC0505 M3261
MAGNET	AUXILIARY MAGNET M4, DESIGN OF YOKE LAMINATION BOLTS (BEVATRON EXTERNAL PROTON BEAM. A. LAKE. 7/23/63, 15P UCID 2333)	BE0804 M3103
MAGNET	BEVATRON MAGNET COIL	GROUP BE1300
MAGNET	BEVATRON MAGNET CORE.	GROUP BE1200
MAGNET	BEVATRON MAGNET POWER-SUPPLY	GROUP BE1400
MAGNET	BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS (BEVATRON EXTERNAL PROTON BEAM. D. MORRIS. 8/18/64, 1P UCID 2365)	BE0806 M3391
MAGNET	BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. H. HERNANDEZ. 12/21/64, 14P)	AC0300 M3475

MAGNET	BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. H. HERNANDEZ. 12/21/64, 14P)	AC0300 M3475
MAGNET	BRUTUS STEERING MAGNET, COST SUMMARY (HEAVY ION ACCELERATOR. R. HINTZ. 4/12/63, 2P)	LA0102 M3025
MAGNET	C MAGNET, 13 IN X 24 IN X 2 1/2 IN GAP, DESIGN CALCULATIONS (K. MIRK. 9/23/64, 7P)	AA0114 M3416
MAGNET	CALCULATIONS INVOLVING THE VERTICAL ADJUSTMENT OF THE INJECTED ION BEAM AT I-M 2 MAGNET (BEVATRON INJECTOR II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S. WASILIK. 8/12/63, 11P)	BE0907 M3132
MAGNET	CAVE I BENDING MAGNET DESIGN CALCULATIONS (88-INCH CYCLOTRON. B. MORGAN, R. PETERS. 11/19/63, 10P)	CB0201 M3316
MAGNET	CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE TRIPLET MAGNET. HERO (184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSING MAGNETS. D. ROTHEUSS. 8/30/63, 4P)	SPEC. M359
MAGNET	CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W. BRUNK. 6/20/63, 5P)	CA0303 M3081
MAGNET	COMPENSATING MAGNET DESIGN (CHEMISTRY RESEARCH, SHIRLEY LOW. TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G. BEHRING. 2/3/65, 11P UCID 2458)	RC0102 M3496
MAGNET	CONSTRUCTION AND CHARACTERISTICS OF SOLENOID MAGNET IRIS, 5 IN. ID, 20 KG (R. WOLGAST. 8/12/64, 7P)	AA0114 M3387
MAGNET	CORRELATION OF QUADRUPOLE MAGNET CHARACTERISTICS (R. MEUSER. 7/21/64, 3P)	AA0114 M3371
MAGNET	COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS. LOW-TEMPERATURE PROPERTIES OF SOLIDS. G. BEHRING. 10/9/63, 3P)	RA0203 M3161
MAGNET	COST ESTIMATE, ZERO ORDER, MAGNET-ENCLOSURE, MAGNET AND VACUUM-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. H. HERNANDEZ. 1/27/64, 12P)	AC0300 M3258
MAGNET	COST ESTIMATES FOR 2 AND 6 GEV INJECTION, C AND H MAGNET LAYOUTS (ADVANCED ACCELERATOR, MAGNET SUPPORT BEAMS AND FOUNDATIONS. W. SALSIG. 1/23/64, 17P UCID 2089)	AC0404 M3243
MAGNET	COST SUMMARY MAGNET SUPPORT STANDS (MECHANICAL ENGINEERING, GENERAL. S. RICE. 2/4/65, 3P)	AA0103 M3492
MAGNET	CUPID 2 1/4-IN DIA QUADRUPOLE MAGNET, COIL POTTING (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T. HENDERSON. 1/29/65, 2P)	LA0102 M3491
MAGNET	DRIFT-TUBE MAGNET COIL CORROSION RATE TEST (BEVATRON INJECTOR II LINAC. S. JOHNSON. 7/8/63, 3P)	BE0905 M3091

MAGNET	ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J ROSKELLEY. 2/4/64, 3P)	BE0705 M3256
MAGNET	EXTERNAL BEAM DEFLECTION MAGNET POLARITY (BEVATRON, EXTERNAL PROTON BEAM. A LAKE. 5/6/64, 5P UCID 2337)	BE0804 M3327
MAGNET	FLOW SWITCH FOR 16-32-16-12-INCH DIAMETER QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/24/63, 2P)	CA0303 M3086
MAGNET	FORCE REQUIRED TO MOVE MAGNET TURNTABLE (184-INCH CYCLOTRON, PHYSICS CAVE SHIELDING. A DANCOSSE. 6/24/64 R8/3/64, 2P)	CA0202 M3353A
MAGNET	FOUR-POINT VERSUS THREE-POINT FLOOR LOADING FOR TRAVELING MAGNET (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR. REYNOLDS. F. BUCHTEL. 5/20/63, 4P)	RC0103 M3056
MAGNET	GRADIENT MAGNET POLE FACE DEVELOPMENT (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON MAGNETS. V KOPYTOFF. 12/16/64, 5P)	AC0303 M3470
MAGNET	IMPORTANT TO MAGNET ALIGNMENT-SYSTEM (ADVANCED ACCELERATOR, A METHOD OF SUPPORTING THE BEAM AND ESTIMATES OF DEFLECTIONS MAGNET RING SUPPORT BEAMS, 220 FT LONG. W SALSIG. 12/27/63, 9P)	AC0404 M3230
MAGNET	INHOMOGENEOUS DEFLECTING MAGNET CALCULATIONS (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC. S JOHNSON. 6/11/63, 9P)	RA0204 M3121
MAGNET	INITIAL THOUGHTS ABOUT TOLERANCES ON MAGNET UNIT (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/10/64, 2P)	AC0501 M3259
MAGNET	INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER COOLED CONDUCTOR, (PROGRESS REPORT). (J. TURNER. 4/15/64, 14P UCID 2185)	AB0108 M3306
MAGNET	LIST OF REQUIRED MAGNET DESIGN PARAMETERS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/7/64, 2P)	AC0501 M3257
MAGNET	M-3 V AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 7/8/63, 9P)	BE0804 M3094
MAGNET	M-4 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 12/11/62, R2/11/63, 5/29/63, 4P)	SPEC. M345B
MAGNET	M-4 MAGNET VACUUM TUBE STUDY (BEVATRON EXTERNAL PROTON BEAM VACUUM CHANNEL. A WATANABE. 3/28/63, 12P)	BE0803 M3016
MAGNET	M-4V MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 1/29/65, 11P)	BE0804 M3490
MAGNET	M-5 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 11/7/63 R2/4/64, 32P)	BE0804 M3177A
MAGNET	M-5 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 12/10/63, R1/7/64, 3P)	SPEC. M362A

MAGNET	M-6 AUXILIARY MAGNET DESIGN CALCULATIONS (BEVATRON EXTERNAL PROTON BEAM. A LAKE. 8/26/63 R3/3/64, 19P UCID 2336)	BE0804 M3176A
MAGNET	M-6 MAGNET (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 2/18/64, 3P)	SPEC. M364
MAGNET	MAGNET ALIGNMENT BY OPTICAL TOOLING (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLLES. 10/1/64, 10P UCID 2418)	AA0901 M3441
MAGNET	MAGNET BUS BAR-SYSTEM AND INTERNAL COIL CONNECTIONS (ADVANCED ACCELERATOR MAIN RING. R KILPATRICK. 12/15/64, 2P)	AC0500 M3468
MAGNET	MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III. A GLICKSMAN. 3/19/56 ISSUED 6/25/63, 54P)	BE1305 M3089
MAGNET	MAGNET COIL IMPULSE TESTING (V ROMANO. 11/11/63, 4P)	AA0114 M3191
MAGNET	MAGNET CONDUCTOR LENGTHS FOR FLAT COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 1P)	AC0505 M3155
MAGNET	MAGNET CONDUCTOR LENGTHS FOR SADDLE COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 2P)	AC0505 M3156
MAGNET	MAGNET COST GRAPHS (R MEUSER. 8/4/64, 7P UCID 2338)	AA0114 M3382
MAGNET	MAGNET ENCLOSURE GENERAL ARRANGEMENTS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURES AND SUPPORTS. W SALSIG. 4/29/64, 4P)	AC0409 M3320
MAGNET	MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER. V KOPYTOFF. 1/6/64, 6P)	HE0102 M3224
MAGNET	MAGNET LIFTING FIXTURE CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 5/10/62, 3P)	BE0906 M3013
MAGNET	MAGNET NAMEPLATES (POLICY MEETING. MECHANICAL ENGINEERING DEPARTMENT, GENERAL. J HART. 2/10/65, 1P)	AA0114 M3502
MAGNET	MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P)	HE0102 M3233
MAGNET	MAGNET PARAMETER STUDY, JUNE 1964 (ADVANCED ACCELERATOR BOOSTER SYNCHROTRON. H HERNANDEZ. 8/12/64 R11/10/64 R1/11/65, 44P)	AC0303 M3390B
MAGNET	MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS, C PIKE. 4/3/63, 24P)	BE0802 M3020
MAGNET	MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. V KOPYTOFF. 5/16/63, 7P)	RP0102 M3053

MAGNET	MAGNET SUPPORT STRUCTURE CONSIDERATIONS (INTERIM DISCUSSION. APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURE AND SUPPORTS. W. SALSIG. 4/29/64, 6P)	AC0404 M3319
MAGNET	MAGNET SURVEY. COMPUTER PROGRAM (BEVATRON MAGNET CORE. J WALTER. 3/11/64, 11P)	BE1201 M3286
MAGNET	MAGNET SURVEY REVISED. COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE. (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)	BE1201 M3448
MAGNET	MAGNET YOKE FABRICATION. (PRELIMINARY DISCUSSION) (ADVANCED ACCELERATOR, ALTERNATING GRADIENT RING MAGNETS. R KILPATRICK. 11/16/64, 12P)	AC0501 M3453
MAGNET	POWER SUPPLY FOR SUPERCONDUCTING MAGNET (CHEMISTRY, SHIRLEY LOW. TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 9/21/64, 3P)	SPEC. M369
MAGNET	PREFERRED MAGNET WATER HOSE ASSEMBLY (R. BURLEIGH. 5/15/63, 2P UCID 2331)	AA0114 M3047
MAGNET	PREFERRED PRACTICES FOR MAGNET COIL CONDUCTOR JOINTS AND TESTS. (R BURLEIGH. 8/7/63, 10P)	AA0114 M3113
MAGNET	PRELIMINARY SURVEY OF MAGNET DESIGN PROBLEMS (ADVANCED ACCELERATOR, MAIN RING. R. KILPATRICK. 9/27/63, 7P)	AC0501 M3154
MAGNET	PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F. CORSEY. 4/1/63, 5P)	BE0906 M3022
MAGNET	PULSED BENDING MAGNET (BEVATRON, INJECTOR DEVELOPMENT. R MEUSER. V ROMANO. 6/1/64, R6/17/64, 2P)	SPEC. M367A
MAGNET	Q-4 MAGNET COIL (BEVATRON EXTERNAL PROTON BEAM, AUXILIARY MAGNETS. A LAKE. 1/24/63, R4/18/63, 4P)	SPEC. M344A
MAGNET	RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P)	RC0102 M3392
MAGNET	REDUCING STRESS VARIATION IN MAGNET CORES WITH LEG AT ENDS (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 5/12/64, 4P)	AC0505 M3326
MAGNET	RING MAGNET COST STUDY. (JANUARY 1964 CASES H2 AND H6) (ADVANCED ACCELERATOR. R KILPATRICK. 1/24/64, 4P)	AC0500 M3238
MAGNET	STEERING MAGNET III (BEVATRON INJECTOR II. R. KILPATRICK. 5/21/63, 6P UCID 2332)	BE0906 M3057
MAGNET	STUDY OF MAGNETO-OPTICS AS APPLIED TO A QUADRUPOLE MAGNET CENTER INDICATOR (BEVATRON. S WASILIK. 5/11/64, 11P)	BE0705 M3329
MAGNET	TEMPERATURE DISTRIBUTION IN PROPOSED COMPENSATING MAGNET (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 9/8/64 R1/25/65, 17P.)	RC0102 M3411A

MAGNET	TOLERANCE ON MAGNET COIL LOCATION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 12/18/63, 4P)	AC0505 M3211
MAGNET	UPPER MAGNET COIL REPLACEMENT OF (72-INCH HYDROGEN BUBBLE CHAMBER. J HART. 10/7/64, 7P)	SPEC. M371
MAGNET	VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P)	SPEC. M358
MAGNET	VACUUM IMPREGNATION OF MAGNET COILS WITH LRL EPOXY FORMULATION NO. CT2E (J TURNER. 11/8/63, R12/11/63, 5P)	SPEC. M360A
MAGNET	VANADIUM PERMENDUR MAGNET POLE TIPS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/22/63, 2P)	AC0502 M3170
MAGNET	VELOCITY SPECTROMETERS, 10-FOOT MAGNET (MARK V, 4-IN X 12-IN). (BEVATRON. H. HERNANDEZ. 7/16/63, 18P)	BE0708 M3102
MAGNET	VISITS TO PHELPS-DODGE, REVERE COPPER, ANACONDA AMERICAN BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R FREY. 6/13/63, 8P)	AA0114 M3079
MAGNET	12 QB MAGNET ALIGNMENT (BEVATRON EXPERIMENTAL FACILITIES. V FLETCHER. 1/26/65, 2P)	BE0705 M3483
MAGNET	12-INCH DIAMETER 16-16 QUADRUPOLE MAGNET HERO (184-INCH CYCLOTRON. D ROTHFUSS. 2/5/63, 4P)	SPEC. M346
MAGNET	18 X 60 H MAGNET, DESIGN AND COST ESTIMATE (BEVATRON. J WALTER. 3/5/64, 10P UCID 2129)	BE0705 M3275
MAGNET	18 X 60, 8-INCH GAP H MAGNET (BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. J WALTER. 5/15/63, 7P)	SPEC. M353
MAGNET	18-IN X 36-IN LP MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION (BEVATRON. I HALPERN. 11/22/63, 1P)	BE0705 M3198
MAGNET	8 QB MAGNET ALIGNMENT (BEVATRON EXPERIMENTAL FACILITIES. V FLETCHER. 1/28/65, 2P)	BE0705 M3486
MAGNET	8-AND 12-INCH TYPE QB QUADRUPOLE MAGNET COIL ASSEMBLIES (BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. R KILPATRICK. 3/19/63, R5/3/63, R5/6/63, 3P)	SPEC. M3488
MAGNET	8-INCH-GAP MAGNET (BEVATRON EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. J WALTER. 7/8/64, 4P)	SPEC. M368
MAGNET	8QB AND 12QB QUADRUPOLE MAGNET COST COMPARISON (BEVATRON. W EATON 6/22/64, 2P UCID 2438)	BE0706 M3349
MAGNET-ENCLOSURE	COST ESTIMATE, ZERO ORDER, MAGNET-ENCLOSURE, MAGNET AND VACUUM-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 1/27/64, 12P)	AC0300 M3258
MAGNETIC	A METHOD FOR SHAPING THE 88-INCH CYCLOTRON MAGNETIC FIELD FOR ISOCHRONOUS ACCELERATION (88-INCH CYCLOTRON. F SELPH. 8/12/63, 22P UCID 1983)	CB0101 M3122

MAGNETIC	EDDY-CURRENTS IN A ROUND CONDUCTOR DUE TO AN EXTERNAL MAGNETIC FIELD (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, MAGNETS. S JOHNSON. 6/16/64, 8P)	AC0303 M3358
MAGNETIC	MAGNETIC FORCES ON IM-3 POWER CABLES (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 1P)	BE0907 M3010
MAGNETIC	NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION (R NICKERSON. 5/7/63, 1P)	SPEC. M352
MAGNETIC	TESTING KLIXON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON. EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P)	BE0806 M3193
MAGNETIC	THE ECONOMY OF HIGH MAGNETIC FIELDS IN THE DESIGN OF LARGE STEERING MAGNETS (R HINTZ. 12/20/63, 2P)	AA0114 M3219
MAGNETIC	VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT. 4/10/63, 4P)	BE0708 M3024
MAGNETITE	MAGNETITE OR HEMATITE HIGH-DENSITY 225-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. M POLIVKA. 4/10/62, R4/20/62, R6/12/63, R4/17/64, 5P)	SPEC. M15C
MAGNETO-OPTICAL	INSTRUCTIONS FOR THE USE OF MAGNETO-OPTICAL TARGET 13Q8894 (BEVATRON. S WASILIK. 10/5/64, 2P)	BE0705 M3422
MAGNETO-OPTICS	STUDY OF MAGNETO-OPTICS AS APPLIED TO A QUADRUPOLE MAGNET CENTER INDICATOR (BEVATRON. S WASILIK. 5/11/64, 11P)	BE0705 M3329
MAGNETS	ADVANCED ACCELERATOR, MAIN RING MAGNETS	GROUP AC0500
MAGNETS	BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405)	CB0201 M3370
MAGNETS	BEAM ANALYSIS-SYSTEM, DESIGN AND COST ESTIMATE OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON EXTERNAL BEAM MAGNETS. R HINTZ. 8/31/64, 8P)	CB0201 M3438
MAGNETS	BEAM EXTRACTION MAGNETS, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 11/9/64, 6P)	AC1001 M3451
MAGNETS	COMPUTER PROGRAMS FOR DESIGNING MAGNETS FOR MINIMUM COST (ADVANCED ACCELERATOR. R SCHWARZ. 7/9/63, 3P)	AC0500 M3095
MAGNETS	COST OF MAGNETS, DECEMBER 1962 - DECEMBER 1963 (L HENDERSON. 8/5/64, 4P UCID 2341)	AA0114 M3383
MAGNETS	COST OF SUPERCONDUCTING MAGNETS (H HERNANDEZ. 3/31/63, 8P)	AB0103 M3018
MAGNETS	CURRENT-DENSITY IN CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/31/64, 3P)	AC0505 M3254
MAGNETS	DRIFT-TUBE QUADRUPOLE MAGNETS EFFECTIVE LENGTH AND NONLINEARITY (BEVATRON INJECTOR II LINAC. R MEUSER. 5/7/63, 4P)	BE0905 M3043
MAGNETS	FIELD UNIFORMITY IN COIL-IN-GAP TYPE MAGNETS (R MEUSER. 3/29/63, 20P UCID 1881)	AA0114 M3026

MAGNETS	GRADIENT MAGNETS FOR MAIN RING, C-TYPE (ADVANCED ACCELERATOR. A ROBERTS. 12/11/64, 23P)	SPEC. M374
MAGNETS	KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS, TEST PROCEDURE (184-INCH CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS. L GLASGOW. 1/4/65, 3P)	CA0200 M3474
MAGNETS	LINAC DRIFT-TUBE MAGNETS, DRAWING NUMBERS (BEVATRON INJECTOR II. M FLEMING. 12/18/63, 1P)	BE0905 M3214
MAGNETS	LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE TIP PHYSICAL REALIGNMENT (BEVATRON. R EDWARDS. 5/15/63, 2P)	BE0701 M3048
MAGNETS	MAGNETS, SOLENOIDS, COILS.	GROUP AA0114
MAGNETS	METHOD OF RAISING OR LOWERING THE INJECTED PROTON BEAM BETWEEN I-M 1 AND I-M 2 MAGNETS (BEVATRON INJECTOR II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S WASILIK. 8/14/63, 3P)	BE0907 M3131
MAGNETS	NORMAL C AND CONFORMAL H MAGNETS (ADVANCED ACCELERATOR, MAIN RING. A ROBERTS. 5/12/64, 23P)	SPEC. M365
MAGNETS	PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P)	AC0409 M3244
MAGNETS	PRELIMINARY COMPARISON OF NORMAL H AND CONFORMAL MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 11/13/63, 6P)	AC0500 M3181
MAGNETS	PRELIMINARY COST ESTIMATE OF CORRECTING MAGNETS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 1/28/64, 1P)	AC0500 M3248
MAGNETS	PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 8/28/64, 4P UCID 2417)	AA0901 M3440
MAGNETS	PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 9/3/64 6P UCID 2421)	AA0901 M3444
MAGNETS	QB MAGNETS, COOLING REQUIREMENTS AND ORIFICE SELECTION (BEVATRON, EXPERIMENTAL FACILITIES. V FLETCHER. 1/13/65, 3P)	BE0705 M3480
MAGNETS	REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P)	AC0305 M3295
MAGNETS	THE ECONOMY OF HIGH MAGNETIC FIELDS IN THE DESIGN OF LARGE STEERING MAGNETS (R HINTZ. 12/20/63, 2P)	AA0114 M3219
MAGNETS	12QB AUXILIARY MAGNETS SPECIAL LIFTING FRAME FOR USE IN ASSEMBLY BUILDING (BEVATRON. V FLETCHER. 12/19/63 R3/5/64, 6P)	BE0705 M3220A

MAGNETS	8 AND 12-INCH, TYPE QB QUADRUPOLE MAGNETS PRELIMINARY DISCUSSION OF FINAL ASSEMBLIES (BEVATRON. R KILPATRICK. 5/27/63, 3P)	BE0705 M3061
MAINTENANCE	COOLING-SYSTEM MAINTENANCE CHECKLIST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/23/63, 7P)	BE0905 M3108
MAINTENANCE	MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS, C PIKE. 4/3/63, 24P)	BE0802 M3020
MANIPULATION	ION SOURCE PROBE MANIPULATION MECHANISM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. J WAGNER. 9/26/63, 2P)	RC0103 M3153
MATERIAL	MATERIAL AND WALL THICKNESS OPTIMIZATION FOR SIMPLIFIED VACUUM CHAMBER (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. S JOHNSON. 4/3/64 R4/10/64, 6P UCID 2363)	AC0801 M3292A
MATERIAL	STRESS ANALYSIS OF A MATERIAL LIFTING FIXTURE (S WASILIK. 10/16/64, 7P)	AA0118 M3431
MATERIALS	COMPARATIVE STUDY OF VACUUM CHAMBER MATERIALS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. R NICKERSON. 1/2/64, 4P)	AC0801 M3227
MATERIALS	INORGANIC MATERIALS RESEARCH	GROUP RA0200
MATERIALS	PROPERTIES OF ORGANIC AND COMPOSITE MATERIALS	GROUP AA0106
MATERIALS	VACUUM PRACTICES, EQUIPMENT, MATERIALS	GROUP AA0112
MATHEMATICAL	MATHEMATICAL SUPPORT.	GROUP AA0126
MATHEMATICAL	REPORT ON SELECTED MATHEMATICAL SUPPORT ACTIVITIES (FOR PERIOD. MARCH 28 TO APRIL 30, 1963.) (R SCHWARZ. 6/13/63, 17P)	AA0126 M3078
MATHEMATICS	MATHEMATICS, DERIVATIONS, COMPUTERS, PROGRAMMING, ETC.	GROUP AA0123
MATRICES	LEAST-SQUARES TECHNIQUE USING MATRICES (R SCHWARZ. 7/29/63, 5P)	AA0123 M3109
MATRICES	POLYNOMIAL LEAST-SQUARES FIT BY MATRICES (R SCHWARZ. 8/20/63 R8/21/63, 5P)	AA0123 M3117A
MCLEOD	THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE	AA0112 M3364A
MEASUREMENT	MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P)	BE1805 M3372
MEASUREMENT	MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273)	AA0112 M3342
MEASUREMENT	MEASUREMENT ON VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY FORMULATIONS (F REINATH. 7/1/64 R7/10/64, 9P)	AA0106 M3357A
MEASURING	ANTI-BACKLASH NUT FOR MEASURING STAGES (J WILTENS. 9/30/54, 3P)	AA0501 M3426

MEASURING-ENGINES	MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P)	AA0501 M3482
MEASURING	MEASURING PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P)	RP0103 M3405
MEASURING	WATER COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P)	CB0125 M3213
MEASURING-PROJECTOR	PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P)	AA0113 M3110
MECHANICAL	BID COSTS ON MAJOR MECHANICAL COMPONENTS (88-INCH CYCLOTRON. R BURLEIGH. 10/15/64, 4P UCID 2383)	CB0100 M3428
MECHANICAL	COST ESTIMATE, MECHANICAL COMPONENTS (ADVANCED ACCELERATOR, INJECTOR LINAC. R MEUSER. 3/1/65, 7P)	AC0200 M3506
MECHANICAL	DESIGN ENGINEERING CONFERENCE AND SHOW OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (CHICAGO, ILLINOIS, MAY 11-14, 1964) (CONFERENCE REPORT. D MORRIS. 5/25/64, 3P)	AA0102 M3332
MECHANICAL	EXPERIMENTAL AREA, MECHANICAL HARDWARE AND ENGINEERING COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/28/64, 1P)	AC1100 M3247
MECHANICAL	INJECTOR, MECHANICAL HARDWARE AND ENGINEERING, COST ESTIMATE (ADVANCED ACCELERATOR. R MEUSER. 1/27/64, 3P)	AC0300 M3246
MECHANICAL	MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P)	AA0501 M3482
MECHANICAL	MECHANICAL ENGINEERING WORK (ADVANCED ACCELERATOR. H GORDON. 12/19/63, 15P)	AC0101 M3216
MECHANICAL	MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P)	LA0105 M3070
MECHANICAL	MECHANICAL ENGINEERING ASSISTANCE, STATUS REPORT-I (INORGANIC-MATERIALS-RESEARCH. G BEHRING. 3/3/64, 7P)	RA0200 M3274
MECHANICAL	MECHANICAL TECHNICIANS, GENERAL	GROUP AA0500
MECHANICAL	MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P)	RA0200 M3318

MECHANICAL	MOLECULAR BEAM REACTION CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G. BEHRING. 9/4/64, 3P)	RA0200 M3404
MECHANICAL	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION SCIENTIFIC, MODEL 150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G. PFAFF. 1/7/65, 3P)	AA0112 M3478
MECHANICAL	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, KINNEY-KC-8 (G. PFAFF. 3/4/65, 4P)	AA0112 M3509
MECHANICAL	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, CENCO-HYVAC-28 (G. PFAFF. 2/8/65, 5P)	AA0112 M3507
MECHANICAL	RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M. GREEN. 5/20/64 R3/2/65, 22P UCID 2451)	AC0304 M3331A
MECHANICAL	RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M. GREEN. 5/20/64 R3/2/65, 22P UCID 2451)	AC0304 M3331A
MECHANICAL	RF-SYSTEM, A MECHANICAL TUNING-SYSTEM FOR A CAVITY TO BE TUNED FROM 50-MC TO 100 MC (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M. GREEN. 6/2/64 R3/2/65, 22P UCID 2452)	AC0304 M3339A
MECHANICAL	RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M. GREEN. 4/29/64 R5/8/64. R2/17/65, 11P UCID 2450)	AC0304 M3322B
MECHANICAL	RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M. GREEN. 4/29/64 R5/8/64, 11P)	AC0304 M3322
MECHANICAL	SUMMARY OF MECHANICAL ENGINEERING WORK FOR THE BEVATRON (PERIOD OF OCTOBER 1, 1963 TO OCTOBER 3, 1964) (K LOU. 12/11/64, 7P)	BE0601 M3467
MECHANICAL	TECHNICAL LIAISON BETWEEN UCLRL MECHANICAL ENGINEERING DEPARTMENT AND FABRICATOR (R. FREY. 5/13/63 1P)	AA0101 M3045
MECHANICAL	100-PCT-DUTY-FACTOR-OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E. HOYER. 2/7/63, 9P)	LA0105 M3066
MECHANICAL	18-PCT-DUTY-FACTOR-OPERATION, HEATING CALCULATIONS AND MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E. HOYER. 11/1/62, 58P)	LA0105 M3065
MECHANICAL	36-PCT-DUTY-FACTOR-OPERATION AND 100-PCT-DUTY-FACTOR-OPERATION AT 1.3-MAGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E. HOYER. 2/14/63, 11P)	LA0105 M3064

MECHANICAL	98-IN CYCLOTRON, MECHANICAL	GROUP CB0100
MECHANICS	MECHANICS.	GROUP AA0129
MECHANISM	ION SOURCE PROBE MANIPULATION MECHANISM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. J WAGNER. 9/26/63, 2P)	RC0103 M3153
MEDICINE	BIOLOGY AND MEDICINE RESEARCH	GROUP RB0100
MEETING	AMERICAN SOCIETY FOR METALS MEETING (LOS ANGELES, MARCH 16 TO 19, 1964) (TRIP REPORT. V ROMANO. 3/23/64, 11P)	AA0102 M3288
MEETING	BOSTON MEETING AMERICAN VACUUM SOCIETY, (OCTOBER 1963) (TRIP REPORT. J HAUGHIAN. 10/29/63, 2P)	AA0102 M3174
MEETING	ENGINEERING SAFETY MEETING OF FEBRUARY 20, 1964 (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 2/24/64, 2P)	AA0300 M3268
MEETING	MEETING WITH DR. E. FISCHER FROM CERN ON VACUUM PROBLEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 4/7/64, 5P)	AC0800 M3299
MEETING	MICROFILMING. STATE OF THE ART NATIONAL MICROFILM ASSOCIATION MEETING, (SAN FRANCISCO, APRIL 30 TO MAY 2, 1963) (TRIP REPORT. P BEAN. 11/14/63, 2P)	AA0102 M3184
MEETING	REPORTS, TRIP, MEETING, CONFERENCE	GROUP AA0102
MEMBRANE	VACUUM-JACKET WINDOWS, ANALYSIS OF LONG RECTANGULAR MEMBRANE WINDOWS (J TANABE. 11/13/63, 8P)	AT0102 M3187
MERCURY	MERCURY AMALGAM SOLDERING (PHYSICS RESEARCH, ALVAREZ GROUP. K MCCARRON. 10/30/64, 1P UCID 2412)	RP0103 M3445
MESIC	MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLES, A VIEGELMAN. 9/21/64 2P UCID 2420)	RP0104 M3443
METAL	THIN, UNBACKED METAL AND OTHER INORGANIC FILMS (D O CONNELL. 5/3/63, 2P)	AA0503 M3107
METALLIC	APPLICATION OF METCO-110 FLAMESPRAYED METALLIC ZINC PROTECTIVE COATING (HEAVY ION ACCELERATOR. R BYRNS. 12/3/64, 2P)	SPEC. M373
METALS	AMERICAN SOCIETY FOR METALS MEETING (LOS ANGELES, MARCH 16 TO 19, 1964) (TRIP REPORT. V ROMANO. 3/23/64, 11P)	AA0102 M3288
METALS	PRECIOUS BRAZE FILLER METALS (R REIMERS. 10/28/64, 5P UCID 2408)	AA0121 M3437
METCO-110	APPLICATION OF METCO-110 FLAMESPRAYED METALLIC ZINC PROTECTIVE COATING (HEAVY ION ACCELERATOR. R BYRNS. 12/3/64, 2P)	SPEC. M373
METER	OPERATION OF MAGNA DISSOLVED OXYGEN-CONTENT METER (BEVATRON INJECTOR II. S JOHNSON. 8/22/63, 2P)	BE0905 M3124
METHANE	OPERATIONS CHECK-LIST AND PROCEDURES, METHANE COUNTERS 2000 P.S.I. AND 300 P.S.I. (BEVATRON EXPERIMENTAL FACILITIES, LOFGREN P-P INTERACTIONS EXPERIMENT. J FIEDLER. 12/18/64, 5P)	BE0709 M3469

METHANE	2000 P.S.I. METHANE COUNTER OPERATION CHECK-LIST AND PROCEDURE (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J. WALTER. 9/27/63 R10/3/63, 5P)	BE0709 M3151A
MG-SET	REDUCTION OF VIBRATION CAUSED BY MG SET (BEVATRON INJECTOR II ION GUN HIGH-VOLTAGE TERMINAL. W. EATON. 4/12/63, 3P)	BE0903 M3028
MG-SET	MG-SET REPLACEMENT AFTER ONE YEAR, PROCEDURE (BEVATRON INJECTOR II, ION SOURCE. F. CROSBY. 2/5/65, 2P)	BE0902 M3494
MICROFILM	MICROFILMING. STATE OF THE ART NATIONAL MICROFILM ASSOCIATION MEETING, (SAN FRANCISCO, APRIL 30 TO MAY 2, 1963) (TRIP REPORT. P. BEAN. 11/14/63, 2P)	AA0102 M3184
MICROFILMING	MICROFILMING. STATE OF THE ART NATIONAL MICROFILM ASSOCIATION MEETING, (SAN FRANCISCO, APRIL 30 TO MAY 2, 1963) (TRIP REPORT. P. BEAN. 11/14/63, 2P)	AA0102 M3184
MICROFORUM	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P. BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421
MICROFORUM	TECHNICAL INFORMATION-SYSTEM AND CURRENT AWARENESS 3M MICROFORUM, (DECEMBER 6, 1963) (TRIP REPORT. J. RATCLIFFE. 1/31/64, 6P)	AA0102 M3253
MILL	FOIL ROLLING MILL DESIGN CALCULATIONS (CHEMISTRY RESEARCH, 88-IN. CYCLOTRON NUCLEAR REACTIONS GROUP. J. WAGNER. 12/17/63, 17P)	RC0100 M3218
MINNESOTA-MINING-CO	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P. BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421
MINUTES	MINUTES OF HYDROGEN SAFETY COMMITTEE	GROUP AA0300
MIRROR	MIRROR TARGET ROTATIONAL ACCURACIES BY JIG TRANSIT (OBSERVATIONS FROM TWELVE FEET) (STANFORD LINEAR ACCELERATOR CENTER. J. SCHOLLS, A. VIEGELMANN. 10/23/64, 3P UCID 2419)	AA0901 M3442
MIRROR	PRECISION MIRROR TILTING IN TWO COORDINATE PLANES (STANFORD LINEAR ACCELERATOR CENTER. A. VIEGELMANN, J. SCHOLLS. 10/23/64 R11/17/64 3P UCID 2422)	AA0901 M3447A
MODEL	COST ESTIMATE BASED ON 1/8 SIZE MODEL (BIOLOGY AND MEDICINE RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. L. GLASGOW. 8/30/63, 1P)	RB0108 M3129
MODEL	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION SCIENTIFIC, MODEL 150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G. PFAFF. 1/7/65, 3P)	AA0112 M3478

MODELING	MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S. JOHNSON. 7/12/63, 3P)	RC0101 M3096
MOLECULAR	MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R. HINTZ. 4/30/64, 1P)	RA0200 M3318
MOLECULAR	MOLECULAR BEAM REACTION CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G. BEHRING. 9/4/64, 3P)	RA0200 M3404
MOLECULAR	MOLECULAR FLOW THROUGH HOT AND COLD CONDUITS (W CHAMBERLAIN. 9/20/63, 8P UCID 2334)	AA0112 M3148
MOMENTS	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK. PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O. CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030
MONITORING	AN ECONOMICAL METHOD FOR MONITORING MAGNET ALIGNMENT DURING OPERATION (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 1/23/64, 10P)	AC0508 M3237
MOTION	TRANSIENT RESPONSE TO EARTHQUAKE MOTION OF A CONTINUOUS CONCRETE BEAM 93-FT LONG (ONE CELL) (ADVANCED ACCELERATOR, MAIN RING. MAGNET SUPPORT AND ENCLOSURE. S. JOHNSON. 5/7/64, 10P)	AC0404 M3360
MOTOR-GENERATOR	MOTOR-GENERATOR NO. 6 BEARING LUBRICATION INSTRUCTION (BEVATRON. H. FALSTER. 6/20/63, 1P)	BE0706 M3080
MOTOR-GENERATOR-SET	MOTOR-GENERATOR-SET NATURAL FREQUENCY CALCULATIONS (BEVATRON, MAGNET POWER SUPPLY. S. JOHNSON. 7/7/64 R7/13/64, 6P)	BE1401 M3362A
MOUNTING	A TECHNIQUE FOR THIN INORGANIC FILM PRODUCTION AND MOUNTING. (D. O. CONNELL. 5/3/63, 1P)	AA0503 M3105
MOUNTS	NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G. BEHRING, H. MASECK. 9/16/63, 23P UCID 1988)	RA0203 M3147
MOVEMENT	MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER. V. KOPYTOFF. 1/6/64, 6P)	HE0102 M3224
MOVEMENT	18-IN. X. 36-IN. LP MAGNET, CROSSOVER BUNDLE COIL MOVEMENT VS. EXCITATION (BEVATRON. I. HALPERN. 11/22/63, 1P)	BE0705 M3198
MU-METAL	HYDROGEN ANNEALING OF MU-METAL SHIELDS (V. ROMANO. 10/6/64, 1P)	SPEC. M370
MULTI-COORDINATE	A MINIATURE POSITIONING UNIT FOR STABLE, MULTI-COORDINATE APPLICATIONS (J. WILTENS. 7/31/64, 7P)	AA0501 M3403

MULTI-ORIFICE	MULTI-ORIFICE FOR FLOW SWITCH, DESIGN AND FLOW CHECK (BEVATRON INJECTOR II LINAC. W. EATON. 6/18/64 R1/12/64, 3P UCID 2411)	BE0905 M3346A
MULTIPULSING	BUBBLE-CHAMBER MULTIPULSING TEST DURING ENGINEERING RUN, NOVEMBER 1963 (25-INCH HYDROGEN BUBBLE CHAMBER. H. HERNANDEZ. 4/1/64, 1P UCID 2157)	NE0106 M3290
MYLAR	HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES (J. TURNER. 10/15/63, 2P)	AA0106 M3160
NAMEPLATES	MAGNET NAMEPLATES (POLICY MEETING. MECHANICAL ENGINEERING DEPARTMENT, GENERAL. J. HART. 2/10/65, 1P)	AA0114 M3502
NATIONAL	MICROFILMING. STATE OF THE ART NATIONAL MICROFILM ASSOCIATION MEETING, (SAN FRANCISCO, APRIL 30 TO MAY 2, 1963) (TRIP REPORT. P. BEAN. 11/14/63, 2P)	AA0102 M3184
NATIONAL	TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S. JOHNSON. 7/27/64, 1P)	AA0102 M3373
NATIONAL	VISIT TO ARGONNE NATIONAL LABORATORY, (SEPTEMBER 29, 1964) (TRIP REPORT. G. EDWARDS. 10/19/64, 1P)	AA0102 M3432
NATIONAL	VISIT TO BROOKHAVEN NATIONAL LABORATORY (TRIP REPORT. A. BABIN. 6/5/63 2P)	AA0102 M3072
NATURAL	DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED UNIFORM BEAMS (R. MEUSER. 11/8/63, 7P)	AA0129 M3194
NATURAL	MOTOR-GENERATOR-SET NATURAL FREQUENCY CALCULATIONS (BEVATRON, MAGNET POWER SUPPLY. S. JOHNSON. 7/7/64 R7/13/64, 6P)	BE1401 M3362A
NATURAL	NATURAL FREQUENCIES FOR BEAMS DESCRIBED IN NOTE M3243 (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. S. JOHNSON. 3/17/64, 3P)	AC0404 M3283
NEON	A RECIRCULATOR AND PURIFIER FOR SPARK-CHAMBER NEON GAS (E. MCLAUGHLIN, R. SCHAFER. 6/24/64, 1P)	AB0101 M3352
NEON	SPARK-CHAMBER PRESSURIZATION WITH NEON AND SULFUR-DIOXIDE (BEVATRON, MASEK UNIV. OF WASH. EXPERIMENT, FEBRUARY 19, 1964. F. HUBAL. 3/9/64, 5P)	BE0709 M3278
NEUTRON	SHIELDING FOR NEUTRON ATTENUATION IN THE MAJOR EQUIPMENT ACCESS (ADVANCED ACCELERATOR. J. SATYI. 3/11/65, 2P)	AC1200 M3514
NITROGEN	LIQUID NITROGEN LEVEL CONTROL-SYSTEM (R. CHANEY. 5/13/63, 2P)	AB0102 M3050
NITROGEN	OPERATING INSTRUCTIONS AND CHECK-LIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A. GLICKSMAN. 3/21/63, 3P)	BE0709 M3004
NITROGEN	150-PSI NITROGEN CERENKOV COUNTER, OPERATING CHECK-LIST (BEVATRON SLAC RESEARCH GROUP. J. FIEDLER. 6/30/64, 3P)	BE0709 M3356

NON-BURNING	70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J. TURNER. 11/20/63, 6P)	LA0102 M3196
NON-DESTRUCTIVE	NON-DESTRUCTIVE TESTING FOR LIFTING LINKS (STANDARD SPECIFICATION. R NICKERSON. M ELLIOTT. 3/11/63, 1P)	SPEC. M17
NON-DESTRUCTIVE	NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION (R NICKERSON. 5/7/63, 1P)	SPEC. M352
NON-IONIZED	ION SOURCE, NON-IONIZED GAS FLOW (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. & REIMERS. 5/3/63, 6P)	RC0103 M3039
NON-LINEAR	DIODE CIRCUITS FOR NON-LINEAR SIMULATION (S JOHNSON. 1/13/64, 9P UCID 2073)	AA0123 M3234
NONLINEARITY	DRIFT-TUBE QUADRUPOLE MAGNETS EFFECTIVE LENGTH AND NONLINEARITY (BEVATRON INJECTOR II LINAC. R MEUSER. 5/7/63, 4P)	BE0905 M3043
NUCLEAR	LOW-TEMPERATURE NUCLEAR ALIGNMENT DEWAR, COST ESTIMATE (CHEMISTRY RESEARCH, SHIRLEY. G BEHRING. 10/23/64, 3P)	RC0102 M3435
NUCLEAR	NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G BEHRING. H MASECK. 9/16/63, 23P UCID 1988)	RA0203 M3147
NUMBERING-SYSTEM	ENGINEERING NOTE AND SPECIFICATION NUMBERING-SYSTEM (J. TURNER. 1/9/64 R8/24/64, 10P)	AA0128 M3228A
NUMBERING-SYSTEM	SHIELDING BLOCKS, NUMBERING-SYSTEM (REVISED) (184-INCH CYCLOTRON. A DANCOSSE. 4/29/64, 4P)	CA0203 M3325
NUT	ANTI-BACKLASH NUT FOR MEASURING STAGES (J WILTENS. 9/30/64, 3P)	AA0501 M3426
O-RING	J GROOVE DESIGN AND DATA FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/21/63, 4P)	AA0117 M3199A
O-RING	J GROOVE DESIGN FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/6/63. R12/11/63, 5P)	AA0117 M3175A
O-RINGS	J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P)	SPEC. M361A
OFHC	RADIO-FREQUENCY RESISTIVITY OF ROUGH OFHC COPPER AT 140 MC (BEVATRON, INJECTOR II. W FISHER, R NICKERSON. 8/30/62, 6P)	BE0905 M3366
OIL	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64. R4/8/64, 3P)	BE0503 M3276A
OIL	MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273)	AA0112 M3342

OIL-SEALED	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION SCIENTIFIC, MODEL 150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G. PFAFF. 1/7/65, 3P)	AA0112 M3478
OIL-SEALED	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, CENCO-HYVAC-28 (G. PFAFF. 2/8/65, 5P)	AA0112 M3507
OIL-SEALED	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, KINNEY-KC-8 (G. PFAFF. 3/4/65, 4P)	AA0112 M3509
OPERATING	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K. STONE, D. VANECEK. 9/17/63, 5P)	BE0702 M3139
OPERATING	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECK-LIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J. WALTER. 7/1/64, 4P)	BE0709 M3355
OPERATING	HYDROGEN TARGET OPERATING PROCEDURE WITH 150-LITER DEWAR (E. MCLAUGHLIN. 10/8/64, 5P. UCID 3281)	AT0101 M3419
OPERATING	OPERATING INSTRUCTIONS AND CHECK-LIST 600 PSI NITROGEN CERENKOV COUNTER (LOFGREN EXPERIMENT, MARCH 1963) (BEVATRON. A. GLICKSMAN. 3/21/63, 3P)	BE0709 M3004
OPERATING	OPERATING INSTRUCTIONS AND CHECK-LIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A. GLICKSMAN. 5/15/63, 3P)	BE0709 M3055
OPERATING	PULSE-LINE IGNITRON TEMPERATURE CONTROL-SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E. HOYER. 5/31/63, 3P)	LA0101 M3067
OPERATING	1-1/4-IN DIA. X 3-1/8-IN LG. GAS TARGET OPERATING PROCEDURE (W. POPE. 1/28/64, 2P)	AT0101 M3251
OPERATING	150-PSI NITROGEN CERENKOV COUNTER, OPERATING CHECK-LIST (BEVATRON SLAC RESEARCH GROUP. J. FIEDLER. 6/30/64, 3P)	BE0709 M3356
OPERATION	AN ECONOMICAL METHOD FOR MONITORING MAGNET ALIGNMENT DURING OPERATION (ADVANCED ACCELERATOR, MAIN RING. W. CHAMBERLAIN. 1/23/64, 10P)	AC0508 M3237
OPERATION	BUBBLE-CHAMBER COMBINED OPERATION, SPRING 1964 (HYDROGEN SAFETY. SAFETY REQUIREMENTS FOR 25-IN-HYDROGEN AND 30-IN-PROPANE COMMITTEE. R. BYRNS. 12/17/63, 2P)	AA0300 M3209
OPERATION	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K. STONE, D. VANECEK. 9/13/63, 6P)	BE0702 M3138
OPERATION	HYDRAULIC CLIPPER PLUNGER DESCRIPTION AND OPERATION (EAST INSIDE. SOUTH) (BEVATRON. R. EDWARDS. 4/29/63, 14P)	BE0702 M3036
OPERATION	HYDROGEN GAS TARGET, OPERATION CHECK-LIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J. WALTER. 12/30/63, 4P)	BE0709 M3221

OPERATION	OPERATION OF MAGNA DISSOLVED OXYGEN-CONTENT METER (BEVATRON INJECTOR II. S JOHNSON. 8/22/63, 2P)	BE0905 M3124
OPERATION	THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE.	AA0112 M3364A
OPERATION	2000 P.S.I. METHANE COUNTER OPERATION CHECK-LIST AND PROCEDURE (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 9/27/63 R10/3/63, 5P)	BE0709 M3151A
OPERATIONS	OPERATIONS CHECK-LIST AND PROCEDURES, METHANE COUNTERS 2000 P.S.I. AND 300 P.S.I. (BEVATRON EXPERIMENTAL FACILITIES, LOFGREN P-P INTERACTIONS EXPERIMENT. J FIEDLER. 12/18/64, 5P)	BE0709 M3469
OPTICAL	HEATING AND COOLING OF LARGE OPTICAL GLASS PARTS (25-INCH HYDROGEN BUBBLE CHAMBER. D NORGREN. 8/11/64, 3P)	HE0106 M3386
OPTICAL	MAGNET ALIGNMENT BY OPTICAL TOOLING (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/1/64, 10P UCID 2418)	AA0901 M3441
OPTICAL	MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P)	BE1805 M3372
OPTICAL	MEASURING ENGINES, OPTICAL, MECHANICAL, CUBIC, AND OTHERS, INTERFEROMETRY AND LASER MADNESS (MECHANICAL TECHNICIANS OPTICAL INSTRUMENTATION AND TOOLING. REPORT ON 16-DAY EASTERN TOUR. J HODGES. 12/21/64, 24P)	AA0501 M3482
OPTICAL	MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLES, A VIEGELMAN. 9/21/64 2P UCID 2420)	RP0104 M3443
OPTICAL	OPTICAL BENCH RIGIDITY (BIO-ORGANIC CHEMISTRY MAGNETO-OPTICAL ROTATION APPARATUS. V KOPYTOFF. 9/27/63, 5P)	RC0501 M3152
OPTICAL	OPTICAL INSTRUMENTATION AND TOOLING	GROUP AA0501
OPTICAL-SYSTEM	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 4/1/63, 13P)	RB0101 M3029
OPTICAL-SYSTEM	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 1/4/64, 3P)	RB0101 M3231
OPTICS	HANDLING AND CLEANING OF COATED OPTICS (25-INCH HYDROGEN BUBBLE CHAMBER, CAMERA OPTICS. D NORGREN. 9/25/63, 1P)	HE0105 M3149
OPTIMIZATION	MATERIAL AND WALL THICKNESS OPTIMIZATION FOR SIMPLIFIED VACUUM CHAMBER (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. S JOHNSON. 4/3/64 R4/10/64, 6P UCID 2363)	AC0801 M3292A

ORGANIC	PROPERTIES OF ORGANIC AND COMPOSITE MATERIALS	GROUP AA0106
ORGANIC	THE PRODUCTION OF THIN ORGANIC FILMS OF ZAPON (D O CONNELL. 5/3/63, 4P)	AA0503 M3104
ORIFICE	QB MAGNETS, COOLING REQUIREMENTS AND ORIFICE SELECTION (BEVATRON, EXPERIMENTAL FACILITIES. V FLETCHER. 1/13/65, 3P)	BE0705 M3480
OUTGASSING	MEASUREMENT ON VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY FORMULATIONS (F REINATH. 7/1/64 R7/10/64, 9P)	AA0106 M3357A
OVER-TEMPERATURE	BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS. (BEVATRON EXTERNAL PROTON BEAM. D MORRIS. 8/18/64, 1P UCID 2365)	BE0806 M3391
OXYGEN	LIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 9/9/63, 3P)	AA0300 M3133
OXYGEN-CONTENT	OPERATION OF MAGNA DISSOLVED OXYGEN-CONTENT METER (BEVATRON INJECTOR II. S JOHNSON. 8/22/63, 2P)	BE0905 M3124
PAD	DETERMINATION OF FINAL GASKET BEARING PAD DIMENSIONS (25-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 7/19/63, 13P)	HE0103 M3101
PANCAKE	MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P)	HE0102 M3233
PARALLEL-PLATE	PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS (BEVATRON, G EDWARDS. 7/17/64, R12/21/64, 3P)	BE0708 M3368A
PARAMETER	MAGNET PARAMETER STUDY, JUNE 1964 (ADVANCED ACCELERATOR BOOSTER SYNCHROTRON. H HERNANDEZ. 8/12/64 R11/10/64 R1/11/65, 44P)	AC0303 M3390B
PARAMETER	PARAMETER SELECTION COST SUMMARY (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 12/21/64, 17P)	AC0300 M3471
PARAMETERS	CROSS-SECTION PARAMETERS FOR BEAMS (8-FT TO 15-FT DEEP) (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 1/24/64, 7P)	AC0404 M3242
PARAMETERS	LIST OF REQUIRED MAGNET DESIGN PARAMETERS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/7/64, 2P)	AC0501 M3257
PARKER	VACUUM TEST OF A PARKER JIG-O-SEAL GASKET (R KREVITT. 4/26/63, 2P UCID 1890)	AA0117 M3035
PARTICLE	ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P)	RC0106 M3157
PARTICLE	NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION (R NICKERSON. 5/7/63, 1P)	SPEC. M352
PATIENT	PATIENT POSITIONER PRELIMINARY PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN, L GLASGOW, N YANNI. 4/9/64, 13P)	RB0108 M3301

PATIENT	PATIENT POSITIONER DESIGN AND DEVELOPMENT (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F. BIERLEIN. 4/15/64 R5/8/64 R6/1/64, 3P)	RB0108 M33088
PATTERN	BEAM PATTERN DEVICE, SOME PRELIMINARY CALCULATIONS (BEVATRON INJECTOR II. S JOHNSON. 3/13/63, 6P)	BE0906 M3003
PATTERN	FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R WEBER. 2/11/65, 4P)	SPEC. M375
PEREZ	PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH. D VORKOEPEK. 12/3/64, 1P)	RP0101 M3454
PEREZ	PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPEK. 2/4/65, 1P)	RP0101 M3493
PEREZ	PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SPARK CHAMBER SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPEK. 2/4/65, 1P)	RP0101 M3495
PERFORMANCE	CONSTRUCTION AND PERFORMANCE TESTS OF 2-1/2-IN. ID, 36-KG SUPERCONDUCTING COIL (R WOLGAST. 8/12/64, 4P)	AB0103 M3388
PERFORMANCE	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION SCIENTIFIC, MODEL 150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/65, 3P)	AA0112 M3478
PERFORMANCE	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, CENCO-HYVAC-28 (G PFAFF. 2/8/65, 5P)	AA0112 M3507
PERFORMANCE	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, KINNEY-KC-8 (G PFAFF. 3/4/65, 4P)	AA0112 M3509
PERFORMANCE	PERFORMANCE TEST OF A CHA INDUSTRIES 6 IN HIGH VACUUM PUMPING-SYSTEM (G PFAFF. 8/13/64, 6P UCID 2345)	AA0112 M3389
PERFORMANCE	REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P)	AC0305 M3295
PERIODIC	THE ANALOG COMPUTER AS A FOURIER ANALYSER FOR ARBITRARY PERIODIC FUNCTIONS (S JOHNSON. 1/22/64, 10P)	AA0123 M3236
PERMATEx	INVESTIGATION OF PERMATEx NO. 2 SEALING COMPOUND AS VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. D VORKOEPEK. 7/3/64, 2P UCID 2403)	CB0121 M3359
PERMENDUR	VANADIUM PERMENDUR MAGNET POLE TIPS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/22/63, 2P)	AC0502 M3170
PERSONNEL	ADVANCED-ACCELERATOR, SHIELDING AND PERSONNEL PROTECTION. VISITS TO PHELPS-DODGE, REVERE COPPER, ANACONDA AMERICAN BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R FREY. 6/13/63, 8P)	GROUP AC1200 AA0114 M3079
PHYSICAL	LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE TIP PHYSICAL REALIGNMENT (BEVATRON. R EDWARDS. 5/15/63, 2P)	BE0701 M3048

PHYSICAL	MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P)	BE1805 M3372
PHYSICS	PHYSICS CAVE SHIELDING, INCREMENT I COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 4/17/63. R4/25/63, 4P)	CA0202 M3031A
PHYSICS	PHYSICS CAVE SHIELDING COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 9/3/63. R10/24/63, 2P)	CA0202 M3142A
PHYSICS	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/11/63, 2P)	CA0202 M3222
PHYSICS	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/21/63, 4P)	CA0202 M3223
PHYSICS	PHYSICS RESEARCH, GENERAL	GROUP RP0100
PHYSICS	SHIELDING BLOCKS FOR PHYSICS CAVE (184-INCH CYCLOTRON. IMPROVEMENTS. A DANCOSSE. 8/7/63, 1P)	CA0202 M3125
PILE	LATERAL STIFFNESS OF PROPOSED DEEP PILE FOUNDATION (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 8/24/64, 8P UCID 3249)	AC0402 M3398
PILE	PILE CAP POSITION REMOTE INDICATING READ-OUT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATIONS AND SUPPORT. F MIDDLETON. 2/9/65, 7P)	AC0404 M3500
PILE-SYSTEMS	RESONANT FREQUENCY AND LATERAL STIFFNESS OF PILE-SYSTEMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W CHAMBERLAIN. 4/14/64, 8P)	AC0404 M3304
PIN	BLOCK LIFTING FIXTURE ARMS, ADAPTER AND 1-1/2-IN DIAMETER PIN (BEVATRON. S WORTMAN. 11/18/63, 3P)	BE0610 M3186
PIPE	A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F MIDDLETON. 11/30/64, 8P)	AC0305 M3455
PLANES	PRECISION MIRROR TILTING IN TWO COORDINATE PLANES (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/23/64. R11/17/64. 3P UCID 2422)	AA0901 M3447A
PLASTIC	INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER COOLED CONDUCTOR, (PROGRESS REPORT). (J TURNER. 4/15/64, 14P UCID 2185)	AB0108 M3306
PLASTIC	MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P)	BE1805 M3372
PLASTICS	INVESTIGATIONS OF PLASTICS, RUBBERS, ADHESIVES.	GROUP AB0108
PLASTICS	TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS, (ATLANTIC CITY, JANUARY 1964. TRIP REPORT. J TURNER. 2/10/64, 3P)	AA0102 M3260

PLATE	FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R WEBER. 2/11/65, 4P)	SPEC. M375
PLATE	HIPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS (BEVATRON. J OORT. 1/10/63, 14P)	BE1130 M3076
PLATE	NEW BUBBLE-CHAMBER BODY STRESS ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P)	HD0102 M3410
PLATE	PLOT OF EQUAL-POTENTIAL LINES AROUND A SPARK-CHAMBER PLATE (GENERAL PHYSICS RESEARCH. A WATANABE. 2/11/65, 2P)	RP0104 M3501
PLATE	SHIELDING STEEL PLATE IN STORAGE (BEVATRON. V FLETCHER. 2/19/65, 34P UCID 2478)	BE1130 M3504
PLATE	STEEL PLATE SHIELDING (184-INCH CYCLOTRON. A DANCOSSE. 1/17/64, 3P)	CA0203 M3245
PLATE	USED STEEL PLATE FOR SHIELDING (184-INCH CYCLOTRON. A DANCOSSE. 9/25/63, 1P)	CA0202 M3146
PLATES	FLATTENING OF STEEL PLATES BY GRINDING (MOYER BEVATRON. RUN, GAMMA SPARK CHAMBER. R PETERS. 11/13/64, 6P)	RP0101 M3456
PLATES	PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SPARK CHAMBER SANDWICH PLATES (PHYSICS RESEARCH. MOYER-HELMHOLZ GROUP. D VORKOEPEL. 2/4/65, 1P)	RP0101 M3495
PLATES	SHIELDING FOR 100-PCT-LOAD-FACTOR, 3-IN THICK STEEL PLATES. REQUIRED FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 1P)	LA0106 M3378
PLATES	VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON. EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P)	BE0708 M3472
PLATFORM	DESIGN OF PLATFORM REINFORCEMENT FOR HIGHER FLOOR LOADING (BEVATRON. A GLICKSMAN. 4/26/56 ISSUED 12/10/63, 36P)	BE0601 M3207
PLATFORM	HIGH-VOLTAGE TERMINAL, INSTRUCTIONS FOR LOWERING AND RAISING SERVICING PLATFORM (BEVATRON INJECTOR II ION SOURCE. W EATON. 3/29/63, 1P)	BE0902 M3017
PLOT	MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)	BE1201 M3448
PLOT	PLOT OF EQUAL-POTENTIAL LINES AROUND A SPARK-CHAMBER PLATE (GENERAL PHYSICS RESEARCH. A WATANABE. 2/11/65, 2P)	RP0104 M3501
PLOTTER	FORTTRAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P)	AA0123 M3337
PLOTTING	FORTTRAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P)	AA0123 M3337

PLUG	ROLLING CONCRETE SHIELDING ACCESS DOOR PLUG (ADVANCED ACCELERATOR. J SATTI. 3/3/65, 5P)	AC1200 M3508
PLUNGER	HYDRAULIC CLIPPER PLUNGER DESCRIPTION AND OPERATION (EAST INSIDE SOUTH) (BEVATRON. R EDWARDS. 4/29/63, 14P)	BE0702 M3036
PLUNGER	RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/29/64 R5/8/64 R2/17/65, 11P UCID 2450)	AC0304 M3322B
PLUNGER	RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/29/64 R5/8/64, 11P)	AC0304 M3322
PLUNGING	MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS, C PIKE. 4/3/63, 24P)	BE0802 M3020
POLARITY	EXTERNAL BEAM DEFLECTION MAGNET POLARITY (BEVATRON, EXTERNAL PROTON BEAM. A LAKE. 5/6/64, 5P UCID 2337)	BE0804 M3327
POLE	ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P)	RC0106 M3157
POLE	GRADIENT MAGNET POLE FACE DEVELOPMENT (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON MAGNETS. V KOPYTOFF. 12/16/64, 5P)	AC0303 M3470
POLE	LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE TIP PHYSICAL REALIGNMENT (BEVATRON. R EDWARDS. 5/15/63, 2P)	BE0701 M3048
POLE	VANADIUM PERMENDUR MAGNET POLE TIPS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/22/63, 2P)	AC0502 M3170
POLISHING	PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS (BEVATRON, G EDWARDS. 7/17/64, R12/21/64, 3P)	BE0700 M3368A
POLYESTER	COLD DEEP DRAWING OF POLYESTER FILM (W POPE, J HUGULEY, E MCLAUGHLIN. 11/20/63, 2P)	AT0102 M3197
POLYESTER	HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES (J TURNER. 10/15/63, 2P)	AA0106 M3160
POLYETHYLENE	KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPEP. 10/14/64, 1P)	RP0101 M3429
POLYETHYLENE	KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPEP. 10/14/64, 1P)	RP0101 M3429
POLYNOMIAL	POLYNOMIAL LEAST-SQUARES FIT BY MATRICES (R SCHWARZ. 8/20/63. R8/21/63, 5P)	AA0123 M3117A
POSITION	ION SOURCE ANODE POSITION 188-INCH CYCLOTRON. J HAUGHIAN. 5/24/63, 1P UCID 22301	C80130 M3059
POSITION	PILE CAP POSITION REMOTE INDICATING READ-OUT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATIONS AND SUPPORT. F MIDDLETON. 2/9/65, 7P)	AC0404 M3500

POSITIONER	MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER. V. KOPYTOFF. 1/6/64, 6P)	HE0102 M3224
POSITIONER	PATIENT POSITIONER PRELIMINARY PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F. BIERLEIN, L. GLASGOW, N. YANNI. 4/9/64, 13P)	RB0108 M3301
POSITIONER	PATIENT POSITIONER DESIGN AND DEVELOPMENT (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F. BIERLEIN. 4/15/64 R5/8/64 R6/1/64, 3P)	RB0108 M33088
POSITIONING	A MINIATURE POSITIONING UNIT FOR STABLE, MULTI-COORDINATE APPLICATIONS (J. WILTENS. 7/31/64, 7P)	AA0501 M3403
POST-STRIPPER	COOLING POST-STRIPPER DRIFT-TUBE STEM BELLOW (HEAVY ION ACCELERATOR. E. HOYER, R. BYRNS, R. PARSONS. 6/29/64, 23P)	LA0103 M3354
POST-STRIPPER	COOLING WATER FLOW ANALYSIS OF POST-STRIPPER TANK (HEAVY ION ACCELERATOR. J. SATTI. 12/14/64, 17P)	LA0107 M3464
POST-STRIPPER	STRESS ANALYSIS OF POST-STRIPPER TANK WITH THE NEW WATER JACKET COOLING-SYSTEM (HEAVY ION ACCELERATOR. J. SATTI. 12/11/64, 31P)	LA0107 M3465
POSTSTRIPPER	POSTSTRIPPER DRIFT TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T. HENDERSON. 1/27/65, 2P)	LA0105 M3487
POTTING	CUPID 2 1/4-IN DIA QUADRUPOLE MAGNET, COIL POTTING (HEAVY ION ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T. HENDERSON. 1/29/65, 2P)	LA0102 M3491
POTTING	PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F. CORSBY. 4/1/63, 5P)	BE0906 M3022
POWER	DISPERSIVE POWER OF LIQUID HYDROGEN IN BUBBLE-CHAMBERS (INORGANIC MATERIALS RESEARCH LOW-TEMPERATURE PROPERTIES OF MATERIALS. D. NORNGREN. 7/30/64, 3P UCID 2340)	RA0203 M3335
POWER	INTERLOCKING FOR SPARK-CHAMBER POWER SUPPLIES (HYDROGEN SAFETY COMMITTEE. E. MCLAUGHLIN. 6/25/63, 1P UCID 1935)	AA0300 M3085
POWER	MAGNETIC FORCES ON IM-3 POWER CABLES (BEVATRON INJECTOR II, INFLECTOR SECTION. S. JOHNSON. 2/20/63, 1P)	BE0907 M3010
POWER	POWER SUPPLY FOR SUPERCONDUCTING MAGNET (CHEMISTRY, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G. BEHRING. 9/21/64, 3P)	SPEC. M369
POWER	100-PCT-DUTY-FACTOR-OPERATION AT 2 MEGAWATT POWER DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E. HOYER. 2/7/63, 9P)	LA0105 M3066

POWER-DISSIPATION	36-PCT-DUTY-FACTOR-OPERATION AND 100-PCT-DUTY-FACTOR-OPERATION AT 1.3-MAGAWATT POWER-DISSIPATION, PRELIMINARY MECHANICAL ENGINEERING COST ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 2/14/63, 11P)	LA0105 M3064
POWER-SUPPLIES	POWER-SUPPLIES, COOLING (88-INCH CYCLOTRON, MAGNET TRIMMING COILS D. VORKOEPEL. 1/29/64, 2P)	CB0103 M3250
POWER-SUPPLY	BEVATRON MAGNET POWER-SUPPLY	GROUP BE1400
PRE-STRIPPER	PRE-STRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY ION ACCELERATOR. R BYRNS. 7/21/64, 17P)	LA0107 M3415
PRE-STRIPPER	PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRE-STRIPPER STEM CLAMPS (HEAVY ION ACCELERATOR. E HOYER. 7/19/63, 2P)	LA0101 M3100
PRECAST	PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P)	AC0409 M3244
PRECIOUS	PRECIOUS BRAZE FILLER METALS (R REIMERS. 10/28/64, 5P UCID 2408)	AA0121 M3437
PRECISION	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION SCIENTIFIC, MODEL 150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/65, 3P)	AA0112 M3478
PRESSURE	BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P)	AA0113 M3011
PRESSURE	CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)	AT0102 M3497
PRESSURE	ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/10/63, 10P)	AC0800 M3134
PRESSURE	ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 3/9/64, 8P UCID 2150)	AC0800 M3281
PRESSURE	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECK-LIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P)	BE0709 M3355
PRESSURE	HYDROGEN GAS TARGET, OPERATION CHECK-LIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P)	BE0709 M3221
PRESSURE	PRESSURE TEST OF ALL ALUMINUM LH2 FLASK (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 1/6/64, 1P)	AA0300 M3225
PRESSURE	PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P)	AA0113 M3110

PRESSURE	PRESSURE TEST OF LOWER VACUUM JACKET ASSEMBLY (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64. 1P)	AA0300 M3449
PRESSURE	SEALS, VACUUM, PRESSURE, HYDRAULIC	GROUP AA0117
PRESSURE	SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P)	AT0102 M3235
PRESSURE	VESSELS, VACUUM, PRESSURE.	GROUP AA0113
PRESSURE-TIME	ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN. (ADVANCED ACCELERATOR MAIN VACUUM SYSTEM. F REINATH. 1/15/65, 21P)	AC0800 M3510
PRESSURIZATION	SPARK-CHAMBER PRESSURIZATION WITH NEON AND SULFUR-DIOXIDE (BEVATRON, MASEK UNIV. OF WASH. EXPERIMENT, FEBRUARY 19, 1964. F HUBAL. 3/9/64, 5P)	BE0709 M3278
PRESTRIPPER	PRESTRIPPER TANK GRILL COOLING REQUIREMENTS AT 100-PCT-DUTY-CYCLE. (HEAVY ION ACCELERATOR. J SATTI. 9/9/64, 18P)	LA0107 M3409
PRINCETON	CORNELL, PRINCETON, CRYOGENIC ENGINEERING CONFERENCE (AUGUST, 1964) (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON. H. HERNANDEZ. 8/24/64, 12P)	AC0300 M3407
PRINT	DIAZO PRINT MACHINE (PURCHASE SPECIFICATION FOR MECHANICAL ENGINEERING DEPARTMENT. P BEAN. 5/17/63, 3P)	SPEC. M354
PRINT	DIAZO PRINT MACHINE (MECHANICAL ENGINEERING DEPARTMENT. P BEAN. 2/16/65, 4P)	SPEC. M376
PROBE	ION SOURCE PROBE MANIPULATION MECHANISM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. J WAGNER. 9/26/63, 2P)	RC0103 M3153
PROBE	MAIN PROBE, BEAM CLIPPER, FUNCTION AND INSTALLATION PROCEDURE (184-INCH CYCLOTRON, CENTRAL AREA STUDIES. L GLASGOW. C ROTHFUSS. 1/8/65, 5P)	CA0206 M3477
PROCEDURE	A SIMPLE PROCEDURE FOR THE PREPARATION OF CARBON FILMS (OF INTERMEDIATE THICKNESS) (D O CONNELL. 5/3/63, 1P)	AA0503 M3106
PROCEDURE	CONVEYOR LINE FACILITY, BUILDING 171, SUGGESTED ASSEMBLY PROCEDURE (J HAUGHIAN. 8/22/63. R9/4/63, 2P)	AB0400 M3120A
PROCEDURE	DRIFT-TUBE REMOVAL AND REPLACEMENT PROCEDURE (BEVATRON INJECTOR II, LINAC. F CROSBY. 8/31/64, 2P)	BE0905 M3400
PROCEDURE	GAP-MOUNTED FLIP-TARGET (MK VIII-T) STRAIGHT-TO-CURVED ASSEMBLY. PROCEDURE. (BEVATRON. K STONE, D VANECEK. 9/16/63, 3P)	BE0702 M3137
PROCEDURE	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECK-LIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P)	BE0709 M3355

PROCEDURE	HYDROGEN TARGET OPERATING PROCEDURE WITH 150-LITER DEWAR (E. MCLAUGHLIN. 10/8/64, 5P UCID 3281)	AT0101 M3419
PROCEDURE	KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS; TEST PROCEDURE (184-INCH CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS. L. GLASGOW. 1/4/65, 3P)	CA0200 M3474
PROCEDURE	MAIN PROBE, BEAM CLIPPER, FUNCTION AND INSTALLATION PROCEDURE (184-INCH CYCLOTRON, CENTRAL AREA STUDIES. L. GLASGOW. D. ROTHEUSS. 1/8/65, 5P)	CA0206 M3477
PROCEDURE	MG-SET REPLACEMENT AFTER ONE YEAR, PROCEDURE (BEVATRON INJECTOR. II, ION SOURCE. F. CROSBY. 2/5/65, 2P)	BE0902 M3494
PROCEDURE	PARALLEL-PLATE VELOCITY SPECTROMETERS; CLEANING AND POLISHING PROCEDURE FOR PARTS (BEVATRON, G. EDWARDS. 7/17/64, R12/21/64, 3P)	BE0708 M3368A
PROCEDURE	PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRE-STRIPPER STEM CLAMPS (HEAVY ION ACCELERATOR. E. HOYER. 7/19/63, 2P)	LA0101 M3100
PROCEDURE	THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE (G. PFAFF. 12/16/63, 2P)	AA0112 M3210
PROCEDURE	1-1/4-IN. DIA. X 3-1/8-IN. LG. GAS TARGET OPERATING PROCEDURE (W. POPE. 1/28/64, 2P)	AT0101 M3251
PROCEDURE	2000 P.S.I. METHANE COUNTER OPERATION CHECK-LIST AND PROCEDURE (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J. WALTER. 9/27/63, R10/3/63, 5P)	BE0709 M3151A
PROCEDURES	ADMINISTRATIVE METHODS AND PROCEDURES	GROUP AA0101
PROCEDURES	MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D. MORRIS, C. PIKE. 4/3/63, 24P)	BE0802 M3020
PROCEDURES	OPERATIONS CHECK-LIST AND PROCEDURES, METHANE COUNTERS 2000 P.S.I. AND 300 P.S.I. (BEVATRON EXPERIMENTAL FACILITIES, LOFGREN P-P INTERACTIONS EXPERIMENT. J. FIEDLER. 12/18/64, 5P)	BE0709 M3469
PRODUCTION	A TECHNIQUE FOR THIN INORGANIC FILM PRODUCTION AND MOUNTING (D. O. CONNELL. 5/3/63, 1P)	AA0503 M3105
PRODUCTION	CONSULTATION TRIP TO WESTERN-GOLD-AND-PLATINUM-COMPANY ON ALUMINA PART DESIGN AND PRODUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R. REIMERS. 12/6/63, 2P)	RC0103 M3204
PRODUCTION	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P. BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421
PRODUCTION	THE PRODUCTION OF THIN ORGANIC FILMS OF ZAPON (D. O. CONNELL. 5/3/63, 4P)	AA0503 M3104

PROGRAM	MAGNET SURVEY COMPUTER PROGRAM (BEVATRON MAGNET CORE. J WALTER. 3/11/64, 11P)	BE1201 M3286
PROGRAM	MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)	BE1201 M3448
PROGRAMMED	SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTERS 1, 2, AND 3) (M FLEMING. 8/14/64, 28P)	AA0123 M3393
PROGRAMMED	SUPPLEMENTARY NOTES TO IBM FORTRAN PROGRAMMED INSTRUCTION COURSE, (CHAPTER 4, APPENDIX A/AND INDEX) (M FLEMING. 8/19/64, 31P)	AA0123 M3394
PROGRAMMING PROGRAMS	MATHEMATICS, DERIVATIONS, COMPUTERS, PROGRAMMING, ETC. COMPUTER PROGRAMS FOR DESIGNING MAGNETS FOR MINIMUM COST (ADVANCED ACCELERATOR. R SCHWARZ. 7/9/63, 3P)	GROUP AA0123 AC0500 M3095
PROGRAMS	CURRENT LIST OF FORTRAN COMPUTER PROGRAMS (J SHIVELY. 6/19/64, 2P UCID 2278)	AA0123 M3347
PROGRESS	CASCADE ISOTOPE SEPARATOR, PROGRESS REPORT NUMBER 10 (CHEMISTRY RESEARCH. R REIMERS. 2/25/65, 1P)	RC0103 M3505
PROJECTOR	MEASURING PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P)	RP0103 M3405
PROPANE PROPERTIES	PROPANE BUBBLE CHAMBERS MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P)	GROUP PC0100 BE1805 M3372
PROPERTIES PROPERTIES	PROPERTIES OF ORGANIC AND COMPOSITE MATERIALS PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F. CORSBY. 4/1/63, 5P)	GROUP AA0106 BE0906 M3022
PROPERTIES	RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 5/20/64 R3/2/65, 22P UCID 2451)	AC0304 M3331A
PROPOSAL	A PROPOSAL FOR FUTURE REPLACEMENT OF ANALOG COMPUTER (S JOHNSON. 2/24/64, 3P)	AA0123 M3271
PROPOSAL	ADDITIONAL PROPOSAL AND COST ESTIMATE (BIO-MEDICAL RESEARCH IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS. ISAH. F BIERLEIN. 5/4/64, 3P)	RB0108 M3323
PROPOSAL	MAGNET STUDY FOR 8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. V KOPYTOFF. 5/16/63, 7P)	RP0102 M3053
PROPOSAL	PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 8/28/64, 4P UCID 2417)	AA0901 M3440

PROPOSAL	PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J. SCHOLLES, A. VIEGELMANN. 9/3/64 6P UCID 2421)	AA0901 M3444
PROPOSAL	8-INCH LIQUID HELIUM BUBBLE-CHAMBER PROPOSAL (PHYSICS RESEARCH, SEGRE, CHAMBERLAIN GROUP. H. HERNANDEZ, L. HANSEN, V. KOPYTOFF. 3/25/63, 11P)	RP0102 M3014
PROPOSALS	FINAL PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F. BIERLEIN, L. GLASGOW. 4/15/64, 7P)	RD0108 M3307
PROPOSALS	PATIENT POSITIONER PRELIMINARY PROPOSALS AND COST ESTIMATES (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F. BIERLEIN, L. GLASGOW, N. YANNI. 4/9/64, 13P)	RB0108 M3301
PROPOSALS	PROPOSALS FOR AN ANALOG COMPUTER INSTALLATION (S. JOHNSON. 7/2/63, 2P)	AA0123 M3088
PROTECTION PROTECTIVE	ADVANCED-ACCELERATOR, SHIELDING AND PERSONNEL PROTECTION. APPLICATION OF METCO-110 FLAMESPRAYED METALLIC ZINC PROTECTIVE COATING (HEAVY ION ACCELERATOR. R. BYRNS. 12/3/64, 2P)	GROUP AC1200 SPEC. M373
PROTON PROTON	BEVATRON EXTERNAL PROTON BEAM. EXTERNAL PROTON BEAM COST ESTIMATE SUMMARY 1/1/64 (PHASE IB AND II) (BEVATRON. D. MORRIS. 8/13/63 R11/13/63 R2/3/64, 5P)	GROUP BE0800 BE0801 M31278
PROTON	METHOD OF RAISING OR LOWERING THE INJECTED PROTON BEAM BETWEEN I-M 1 AND I-M 2 MAGNETS (BEVATRON INJECTOR II, INFLECTOR SECTION, MAGNET SUPPORT ASSEMBLY. S. WASILIK. 8/14/63, 3P)	BE0907 M3131
PROTON	PROTON BUNCHER (BEVATRON INJECTOR II, ION GUN TO LINAC SECTION. R. KILPATRICK. 5/24/63, 19P)	BE0904 M3074
PULSE-LINE	PULSE-LINE IGNITRON TEMPERATURE CONTROL SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E. HOYER. 5/31/63, 3P)	LA0101 M3067
PULSED	PULSED BENDING MAGNET (BEVATRON, INJECTOR DEVELOPMENT. R. MEUSER. V. ROMANO. 6/1/64, R6/17/64, 2P)	SPEC. M367A
PULSED	PULSED STEREO CAMERA (80-IN LIQUID HYDROGEN BUBBLE CHAMBER. D. NORGREN. 10/12/64, 5P)	SPEC. M372
PUMP	ION VACUUM PUMP CHARACTERISTICS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R. REIMERS. 4/14/64, 2P UCID 2183)	RC0103 M3305
PUMP	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION SCIENTIFIC, MODEL 150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G. PFAFF. 1/7/65, 3P)	AA0112 M3478
PUMP	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, CENCO-HYVAC-28 (G. PFAFF. 2/8/65, 5P)	AA0112 M3507

PUMP	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, KINNEY-KC-8 (G. PFAFF. 3/4/65, 4P)	AA0112 M3509
PUMP	REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER. SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P)	AC0305 M3295
PUMP	TITANIUM SUBLIMATION VACUUM PUMP (88-INCH CYCLOTRON. D ELO. 1/28/64, 6P)	CB0120 M3255
PUMP-SYSTEM	MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G. PFAFF. 6/5/64, 19P UCID 2273)	AA0112 M3342
PUMPDOWN	ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN. (ADVANCED ACCELERATOR MAIN VACUUM SYSTEM. F REINATH. 1/15/65, 21P)	AC0800 M3510
PUMPING-SYSTEM	PERFORMANCE TEST OF A CHA INDUSTRIES 6 IN HIGH VACUUM PUMPING-SYSTEM (G. PFAFF. 8/13/64, 6P UCID 2345)	AA0112 M3389
PUMPING-SYSTEM	VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F REINATH. 10/11/63, 6P)	AA0102 M3158
PUMPING-SYSTEMS	EVALUATION OF PROPOSED VACUUM PUMPING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM-SYSTEM. F REINATH. 2/24/64 R3/2/64, 3P UCID 2128)	AC0800 M3269A
PUMPS	VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P)	AC0800 M3412
PURCHASE	RESPONSIBILITIES OF REQUESTER AND BUYER IN PURCHASE ACTIONS (METHODS AND PROCEDURES. R. FREY. 2/12/65, 1P)	AA0101 M3499
PURIFIER	A RECIRCULATOR AND PURIFIER FOR SPARK-CHAMBER NEON GAS (E MCLAUGHLIN, R. SCHAFER. 6/24/64, 1P)	AB0101 M3352
QUADRANT	DESIGN OF QUADRANT END 2-DEG BOTTOM SHIELDING BLOCK, (QR-7) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I. HALPERN. 12/4/64, 25P)	BE1130 M3461
QUADRANT	DESIGN OF QUADRANT END 2-DEG TOP SHIELDING BLOCK, (QR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I. HALPERN. 12/4/64, 18P)	BE1130 M3462
QUADRUPOLE	CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE TRIPLET MAGNET. HERO (184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSING MAGNETS. D ROTHFUSS. 8/30/63, 4P)	SPEC. M359
QUADRUPOLE	CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W. BRUNK. 6/20/63, 5P)	CA0303 M3081

QUADRUPOLE	CORRELATION OF QUADRUPOLE MAGNET CHARACTERISTICS (R MEUSER. 7/21/64, 3P)	AA0114 M3371
QUADRUPOLE	CUPID 2 1/4-IN DIA QUADRUPOLE MAGNET, COIL POTTING (HEAVY ION. ACCELERATOR, NEW EQUIPMENT AND COMPONENTS. T. HENDERSON. 1/29/65, 2P)	LA0102 M3491
QUADRUPOLE	DRIFT-TUBE QUADRUPOLE MAGNETS EFFECTIVE LENGTH AND NONLINEARITY (BEVATRON INJECTOR II LINAC. R MEUSER. 5/7/63, 4P)	BE0905 M3043
QUADRUPOLE	FLOW SWITCH FOR 16-32-16-12-INCH DIAMETER QUADRUPOLE MAGNET TRIplet (184-INCH CYCLOTRON. W BRUNK. 6/24/63, 2P)	CA0303 M3086
QUADRUPOLE	LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE TIP PHYSICAL REALIGNMENT (BEVATRON. R EDWARDS. 5/15/63, 2P)	BE0701 M3048
QUADRUPOLE	PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 8/28/64, 4P UCID 2417)	AA0901 M3440
QUADRUPOLE	PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 9/3/64 6P UCID 2421)	AA0901 M3444
QUADRUPOLE	STUDY OF MAGNETO-OPTICS AS APPLIED TO A QUADRUPOLE MAGNET CENTER INDICATOR (BEVATRON. S WASILIK. 5/11/64, 11P)	BE0705 M3329
QUADRUPOLE	12-INCH DIAMETER 16-16 QUADRUPOLE MAGNET HERO (184-INCH CYCLOTRON. D ROTHFUSS. 2/5/63, 4P)	SPEC. M346
QUADRUPOLE	8 AND 12-INCH, TYPE QB QUADRUPOLE MAGNETS PRELIMINARY DISCUSSION OF FINAL ASSEMBLIES (BEVATRON. R KILPATRICK. 5/27/63, 3P)	BE0705 M3061
QUADRUPOLE	8-AND 12-INCH TYPE QB QUADRUPOLE MAGNET COIL ASSEMBLIES (BEVATRON, EXPERIMENTAL FACILITIES, AUXILIARY MAGNETS. R KILPATRICK. 3/19/63, R5/3/63, R5/6/63, 3P)	SPEC. M3488
QUADRUPOLE	8QB AND 12QB QUADRUPOLE MAGNET COST COMPARISON (BEVATRON. W EATON 6/22/64, 2P UCID 2438)	BE0706 M3349
RADIATION	DEPENDENCE OF RADIATION HEAT-TRANSFER ON HEAT SHIELD SPACING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/23/63, 2P)	RC0103 M3034
RADIO-FREQUENCY	RADIO-FREQUENCY RESISTIVITY OF ROUGH OFHC COPPER AT 140 MC (BEVATRON, INJECTOR II. W FISHER, R NICKERSON. 8/30/62, 6P)	BE0905 M3366
RADIOISOTOPE	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 4/1/63, 13P)	RB0101 M3029
RADIOISOTOPE	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 1/4/64, 3P)	RB0101 M3231

RAILS	COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF SOLIDS. G BEHRING. 10/9/63, 3P)	RA0203 M3161
REACTION	MOLECULAR BEAM REACTION CHAMBER, REVISED COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, MAHAN. G BEHRING. 9/4/64, 3P)	RA0200 M3404
REACTION-CHAMBER	MOLECULAR BEAM REACTION-CHAMBER COST ESTIMATE OF MECHANICAL COMPONENTS (INORGANIC MATERIALS RESEARCH, CHEMISTRY. R HINTZ. 4/30/64, 1P)	RA0200 M3318
REACTIONS	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030
REACTOR	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64. R4/8/64, 3P)	BE0503 M3276A
READ-OUT	PILE CAP POSITION REMOTE INDICATING READ-OUT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATIONS AND SUPPORT. F MIDDLETON. 2/9/65, 7P)	AC0404 M3500
READER	MEASURING PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P)	RP0103 M3405
REALIGNMENT	LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE TIP PHYSICAL REALIGNMENT (BEVATRON. R EDWARDS. 5/15/63, 2P)	BE0701 M3048
REASSESSMENT	PHYSICS CAVE SHIELDING COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 9/3/63 R10/24/63, 2P)	CA0202 M3142A
REASSESSMENT	PHYSICS CAVE SHIELDING, INCREMENT I COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 4/17/63 R4/25/63, 4P)	CA0202 M3031A
RECIRCULATOR	A RECIRCULATOR AND PURIFIER FOR SPARK-CHAMBER NEON GAS (E MCLAUGHLIN, R SCHAFER. 6/24/64, 1P)	AB0101 M3352
RECOIL-FREE	RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P)	RC0102 M3392
RECOVERY	FLOW SWITCH DESIGN UTILIZING DIFFUSER RECOVERY (HEAVY ION ACCELERATOR. E HOYER. 5/26/64, 19P)	LA0103 M3334
RECTANGULAR	MAGNET CONDUCTOR LENGTHS FOR FLAT COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 1P)	AC0505 M3155
RECTANGULAR	MAGNET CONDUCTOR LENGTHS FOR SADDLE COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 2P)	AC0505 M3156

RECTANGULAR	VACUUM-JACKET WINDOWS, ANALYSIS OF LONG RECTANGULAR MEMBRANE WINDOWS (J TANABE. 11/13/63, 8P)	AT0102 M3187
REFLECTIVE	A REFLECTIVE COATING OF MAGNESIA AND SODIUM SILICATE FOR CERENKOV COUNTERS (H KRAPE, J BYCE. 9/30/64, 2P)	AA0500 M3425
REGULATING	EQUATIONS FOR 5831 REGULATING TUBE SHOCK ABSORBER (BEVATRON INJECTOR II. S JOHNSON. 3/11/63 R2/26/64, 4P)	BE0905 M3001A
REGULATION	IMPROVED TEMPERATURE REGULATION FOR SPECTROMETER (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 8/12/63, 15P)	RC0101 M3119
REINFORCEMENT	DESIGN OF PLATFORM REINFORCEMENT FOR HIGHER FLOOR LOADING (BEVATRON. A GLICKSMAN. 4/26/56 ISSUED 12/10/63, 36P)	BE0601 M3207
REINFORCEMENT	MACHINE INSTALLATION, REINFORCEMENT OF FLOOR FOR ADDITIONAL LOADING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/15/63 R7/3/63, 3P)	RC0103 M3051A
REINFORCING	CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. O CALLAHAN. 4/19/63, 8P UCID 2330)	BE0805 M3037
REINFORCING	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030
RELATIONSHIP	ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN (ADVANCED ACCELERATOR MAIN VACUUM SYSTEM. F REINATH. 1/15/65, 21P)	AC0800 M3510
RELAYS	TESTING KLIXON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P)	BE0806 M3193
RELIABILITY	CALCULATING RELIABILITY FOR ENGINEERING DEVICES (TECHNICAL MEETING TALK 12-11-63. W SALSIG. 1/30/64, 10P)	AA0100 M3273
REMOTE	PILE CAP POSITION REMOTE INDICATING READ-OUT (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATIONS AND SUPPORT. F MIDDLETON. 2/9/65, 7P)	AC0404 M3500
REMOVAL	DRIFT-TUBE REMOVAL AND REPLACEMENT PROCEDURE (BEVATRON INJECTOR II, LINAC. F CROSBY. 8/31/64, 2P)	BE0905 M3400
REMOVING	INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P)	BE0907 M3420B
REPAIRS	HISTORY OF REPAIRS TO LEAKS IN MAIN VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. J HART. 3/19/64, 6P)	CB0121 M3285

REPLACEMENT	A PROPOSAL FOR FUTURE REPLACEMENT OF ANALOG COMPUTER (S JOHNSON. 2/24/64, 3P)	AA0123 M3271
REPLACEMENT	DRIFT-TUBE REMOVAL AND REPLACEMENT PROCEDURE (BEVATRON INJECTOR II, LINAC. F CROSBY. 8/31/64, 2P)	BE0905 M3400
REPLACEMENT	FLOW SWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W EATON. 6/24/64, 3P)	BE0905 M3351
REPLACEMENT	MG-SET REPLACEMENT AFTER ONE YEAR, PROCEDURE (BEVATRON INJECTOR II, ION SOURCE. F CROSBY. 2/5/65, 2P)	BE0902 M3494
REPLACEMENT	UPPER MAGNET COIL REPLACEMENT OF (72-INCH HYDROGEN BUBBLE CHAMBER. J HART. 10/7/64, 7P)	SPEC. M371
REPLACING	COST ESTIMATE FOR REPLACING THE RAILS OF THE JULIUS MAGNET (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF SOLIDS. G BEHRING. 10/9/63, 3P)	RA0203 M3161
REPLACING	INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F CROSBY. 2/26/63 R10/8/64, 2P)	BE0907 M3420B
REPORTS	REPORTS, TRIP, MEETING, CONFERENCE	GROUP AA0102
REPRODUCTION	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421
REQUESTER	RESPONSIBILITIES OF REQUESTER AND BUYER IN PURCHASE ACTIONS (METHODS AND PROCEDURES. R FREY. 2/12/65, 1P)	AA0101 M3499
RESEARCH	BIO-ORGANIC CHEMISTRY RESEARCH	GROUP RC0500
RESEARCH	BIOLOGY AND MEDICINE RESEARCH	GROUP RB0100
RESEARCH	CHEMISTRY RESEARCH	GROUP RC0100
RESEARCH	INORGANIC MATERIALS RESEARCH	GROUP RA0200
RESEARCH	PHYSICS RESEARCH, GENERAL	GROUP RP0100
RESERVOIRS	ELECTRIC HEATERS ON HYDROGEN TARGET RESERVOIRS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)	AA0300 M3450
RESIN	INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER COOLED CONDUCTOR, (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185)	AB0108 M3306
RESIN	MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F BIERLEIN. 12/30/63, 6P)	HE0102 M3233
RESISTANCE	HEAT AND SOLVENT RESISTANCE OF POLYESTER NYLAR ELECTRICAL TAPES (J TURNER. 10/15/63, 2P)	AA0106 M3160
RESISTIVITY	RADIO-FREQUENCY RESISTIVITY OF ROUGH OFHC COPPER AT 140 MC (BEVATRON, INJECTOR II. W FISHER, R NICKERSON. 8/30/62, 6P)	BE0905 M3366

RESISTIVITY	TESTING OF GLASS FOR VOLUME RESISTIVITY AS A FUNCTION OF TEMPERATURE (BEVATRON VELOCITY SPECTROMETERS. D IJAMS. 5/4/64. R7/28/64, 6P UCID 2372)	BE0708 M3324A
RESISTOR	DE-SPIKER RESISTOR (HEAVY ION ACCELERATOR. J HAUGHIAN. 10/16/64, 3P)	LA0102 M3430
RESOLUTION	BEAM ANALYSIS-SYSTEM, FACTORS AFFECTING ENERGY RESOLUTION (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/10/64, 13P, UCID 2404)	CB0201 M3363
RESONANT	RECOIL-FREE RESONANT ABSORPTION DEWAR, CALCULATIONS FOR PERMANENT MAGNET USED IN DRIVE CAPSULE (CHEMISTRY RESEARCH, LOW-TEMPERATURE NUCLEAR ALIGNMENT. R HINTZ. 8/18/64, 9P)	RC0102 M3392
RESONANT	RESONANT FREQUENCY AND LATERAL STIFFNESS OF PILE-SYSTEMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W CHAMBERLAIN. 4/14/64, 8P)	AC0404 M3304
RESPONSE	RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P)	RA0204 M3099
RESPONSE	TRANSIENT RESPONSE TO EARTHQUAKE MOTION OF A CONTINUOUS CONCRETE BEAM 93-FT LONG (ONE CELL) (ADVANCED ACCELERATOR, MAIN RING MAGNET SUPPORT AND ENCLOSURE. S JOHNSON. 5/7/64, 10P)	AC0404 M3360
RESPONSIBILITIES	RESPONSIBILITIES OF REQUESTER AND BUYER IN PURCHASE ACTIONS (METHODS AND PROCEDURES. R FREY. 2/12/65, 1P)	AA0101 M3499
RETRIEVAL	DOCUMENT PREPARATION, INDEXING, RETRIEVAL.	GROUP AA0128
RETRIEVAL	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421
REVERE	VISITS TO PHELPS-DODGE, REVERE COPPER, ANACONDA AMERICAN BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R FREY. 6/13/63, 8P)	AA0114 M3079
RF	A ROTARY CAPACITIVE TUNING-SYSTEM FOR A 50-MC TO 100-MC RF CAVITY (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON RF-SYSTEM. M GREEN. 6/29/64, 27P)	AC0304 M3365
RF	COOLING OF FERRITE IN RF CAVITIES BY WATER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. R WOLGAST. 6/19/64, 12P)	AC0304 M3348
RF	COOLING OF FERRITE IN RF CAVITIES BY FORCED AIR (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON, RF SYSTEM. R WOLGAST. 7/29/64, 15P)	AC0304 M3381

RF	POSTSTRIPPER DRIFT TUBES, RF BRIDGE HEAT CALCULATIONS (HEAVY ION ACCELERATOR, STUDIES FOR INCREASED DUTY FACTOR. T. HENDERSON. 1/27/65, 2P)	LA0105 M3487
RF-SYSTEM	RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 5/20/64 R3/2/65, 22P UCID 2451)	AC0304 M3331A
RF-SYSTEM	RF-SYSTEM, A MECHANICAL TUNING-SYSTEM FOR A CAVITY TO BE TUNED FROM 50-MC TO 100 MC (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN 6/2/64 R3/2/65, 22P UCID 2452)	AC0304 M3339A
RF-SYSTEM	RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/29/64 R5/8/64 R2/17/65, 11P UCID 2450)	AC0304 M3322B
RF-SYSTEM	RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M GREEN. 4/29/64 R5/8/64, 11P)	AC0304 M3322
RIGIDITY	OPTICAL BENCH RIGIDITY (BIO-ORGANIC CHEMISTRY MAGNETO-OPTICAL ROTATION APPARATUS. V KOPYTOFF. 9/27/63, 5P)	RC0501 M3152
RING	ADVANCED ACCELERATOR, MAIN RING MAGNETS	GROUP AC0500
RING	ADVANCED-ACCELERATOR, MAIN RING STRUCTURE	GROUP AC0400
RING	GRADIENT MAGNETS FOR MAIN RING, C-TYPE (ADVANCED ACCELERATOR. A ROBERTS. 12/11/64, 23P)	SPEC. M374
RING	RING MAGNET COST STUDY, (JANUARY 1964 CASES H2 AND H6) (ADVANCED ACCELERATOR. R KILPATRICK. 1/24/64, 4P)	AC0500 M3238
ROARKS	PROPOSED BOOK OF TABLES SIMPLIFYING ROARKS FORMULAE (R SCHWARZ. 6/17/64, 5P)	AA0123 M3343
ROLLING	FOIL ROLLING MILL DESIGN CALCULATIONS (CHEMISTRY RESEARCH, 88-IN CYCLOTRON NUCLEAR REACTIONS GROUP. J WAGNER. 12/17/63, 17P)	RC0100 M3218
ROLLING	ROLLING CONCRETE SHIELDING ACCESS DOOR PLUG (ADVANCED ACCELERATOR. J SATTI. 3/3/65, 5P)	AC1200 M3508
ROOF	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O. CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030
ROOF	DESIGN OF ROOF JIB CRANE (BEVATRON HANDLING EQUIPMENT. S WORTMAN. 11/8/64, 12P)	BE0610 M3459
ROOM-TEMPERATURE	LOCATION OF BOTTOM BUBBLE-CHAMBER GLASS AT ROOM-TEMPERATURE (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/21/63 R10/23/63, 3P)	HE0103 M3168A

ROTAMETER	MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P)	RC0101 M3096
ROTARY	A ROTARY CAPACITIVE TUNING-SYSTEM FOR A 50-MC TO 100-MC RF CAVITY (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON RF-SYSTEM. M GREEN. 6/29/64, 27P)	AC0304 M3365
ROTATIONAL	MIRROR TARGET ROTATIONAL ACCURACIES BY JIG TRANSIT (OBSERVATIONS FROM TWELVE FEET) (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 10/23/64, 3P UCID 2419)	AA0901 M3442
ROUGHING	CAVE VACUUM PREDICTED ROUGHING TIME (88-INCH CYCLOTRON, EXPERIMENTAL EQUIPMENT BEAM TUBES. R PETERS, T HENDERSON. 11/14/63, 7P)	CB0200 M3185
ROUGHING-SYSTEMS	VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P)	AC0800 M3412
RUBBER	BUTYL RUBBER TUBING FOR VACUUM USE (STANDARD SPECIFICATION. J TURNER. 12/26/61, R4/14/64, R7/22/64, 2P)	SPEC. M18B
RUBBER	BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158)	AA0112 M3294
RUBBER	PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)	RP0101 M3493
RUBBERS RUPTURE	INVESTIGATIONS OF PLASTICS, RUBBERS, ADHESIVES. BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64, R4/8/64, 3P)	GROUP AB0108 BE0503 M3276A
SADDLE	MAGNET CONDUCTOR LENGTHS FOR SADDLE COILS WITH RECTANGULAR SECTION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/1/63, 2P)	AC0505 M3156
SAFETY	ENGINEERING SAFETY MEETING OF FEBRUARY 20, 1964 (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 2/24/64, 2P)	AA0300 M3268
SAFETY	HYPERFRAGMENT EXPERIMENT, SAFETY OF EQUIPMENT AND INSTALLATION (30-INCH PROPANE CHAMBER. V KOPYTOFF. 3/16/64, 2P)	PC0101 M3282
SAFETY SAFETY	MINUTES OF HYDROGEN SAFETY COMMITTEE SAFETY ASPECTS OF THE HYDROGEN SPARK-CHAMBER (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 8/7/63, 13P)	GROUP AA0300 RA0204 M3114
SAFETY	SAFETY FACTOR FOR LIFTING LINKS (184-INCH CYCLOTRON, IMPROVEMENTS. A DANCOSSE. 8/27/63, 1P)	CA0202 M3126
SAFETY	SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 2/21/64, 1P)	AA0300 M3265

SANDWICH	PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SPARK CHAMBER. SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)	RP0101 M3495
SATURATION	BEAM ANALYSIS-SYSTEM, EFFECT OF SATURATION ON THE DESIGN OF GRADIENT FIELD MAGNETS (88-INCH CYCLOTRON, EXTERNAL BEAM MAGNETS. R HINTZ. 7/16/64, 9P UCID 2405)	CB0201 M3370
SCANNER	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 4/1/63, 13P)	RB0101 M3029
SCANNER	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 1/4/64, 3P)	RB0101 M3231
SCANNER	WHOLE-BODY SCANNER MARK-III (BIOLOGY AND MEDICINE RESEARCH MEDICAL ACCELERATOR STUDY. R UPHAM, N YANNI. 10/1/64, 2P)	RB0101 M3413
SCANNING	BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 4P)	BE0907 M3005
SCANNING	PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P)	AA0113 M3110
SCIENTIFIC	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION SCIENTIFIC, MODEL 150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/55, 3P)	AA0112 M3478
SCREWS	A DEVICE FOR RAPID AND THOROUGH CHECKING OF LEAD SCREWS (J HODGES 9/10/64, 2P UCID 2362)	AA0501 M3408
SEAL	CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)	AT0102 M3497
SEAL	HISTORY OF REPAIRS TO LEAKS IN MAIN VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. J HART. 3/19/64, 6P)	CB0121 M3285
SEAL	INVESTIGATION OF PERMATEX NO. 2 SEALING COMPOUND AS VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. D VORKOEPEP. 7/3/64, 2P UCID 2403)	CB0121 M3359
SEALING	A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F MIDDLETON. 11/30/64, 8P)	AC0305 M3455
SEALING	INVESTIGATION OF PERMATEX NO. 2 SEALING COMPOUND AS VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. D VORKOEPEP. 7/3/64, 2P UCID 2403)	CB0121 M3359
SEALING	PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)	RP0101 M3493

SEALS	J GROOVE DESIGN AND DATA FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/21/63, 4P)	AA0117 M3199A
SEALS	J GROOVE DESIGN FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/6/63 R12/11/63, 5P)	AA0117 M3175A
SEALS	SEALS, VACUUM, PRESSURE, HYDRAULIC	GROUP AA0117
SEARCH-COIL	MAGNET FIELD-MEASURING COIL POSITIONER, PRECISION OF SEARCH-COIL LOCATION AND MOVEMENT (25-INCH HYDROGEN BUBBLE CHAMBER. V KOPYTOFF. 1/6/64, 6P)	HE0102 M3224
SELF-EXTINGUISHING	MEASUREMENT ON VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY FORMULATIONS (F REINATH. 7/1/64 R7/10/64, 9P)	AA0106 M3357A
SEMINAR	CARTER-PRINCETON SEMINAR. SOLVING TEMPERATURE PROBLEMS WITH THERMOELECTRICS 1964 (TRIP REPORT. F HUBAL. 8/5/64, 15P UCID 2346)	AA0102 M3384
SEMINAR	UNIVERSITY OF CALIFORNIA TECHNICAL WRITING SEMINAR (MEETING REPORT. V ROMANO. 12/5/63 R10/28/64, 9P)	AA0102 M3205A
SEMINAR	VARIAN VACUUM TECHNOLOGY SEMINAR 1964 (MEETING REPORT. G PFAFF. 4/20/64, 8P UCID 2202)	AA0102 M3310
SENSITIVE	A SENSITIVE TEMPERATURE DEVIATION DETECTOR (CHEMISTRY RESEARCH. BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 3/25/63, 6P)	RC0101 M3038
SEPARATOR	CASCADE ISOTOPE SEPARATOR, PROGRESS REPORT NUMBER 10 (CHEMISTRY RESEARCH. R REIMERS. 2/26/65, 1P)	RC0103 M3505
SEPARATOR	ISOTOPE SEPARATOR BAKING STUDY (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 4P)	RC0103 M3007
SEPTUM	WATER-COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P)	CB0125 M3213
SERVICING	HIGH-VOLTAGE TERMINAL, INSTRUCTIONS FOR LOWERING AND RAISING SERVICING PLATFORM (BEVATRON INJECTOR II ION SOURCE. W EATON. 3/29/63, 1P)	BE0902 M3017
SETTING	HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P)	AA0112 M3217
SHAFT	BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 4P)	BE0907 M3005
SHAPING	A METHOD FOR SHAPING THE 88-INCH CYCLOTRON MAGNETIC FIELD FOR ISOCHRONOUS ACCELERATION (88-INCH CYCLOTRON. F SELPH. 8/12/63, 22P UCID 1983)	CB0101 M3122
SHEAR	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030

SHEET	J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J ROSKELLEY. 11/15/63, 1P)	SPEC. M361A
SHEET	TEMPERATURE-DROP BETWEEN HEATED SHEET AND COOLING TUBE (88-INCH CYCLOTRON DEE. J HAUGHIAN. 4/10/64, 2P)	CB0112 M3303
SHEET	WORK SHEET FOR SOLVING A CUBIC-EQUATION (R SCHWARZ. 3/21/63, 1P)	AA0123 M3009
SHEETS	KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPEP. 10/14/64, 1P)	RP0101 M3429
SHEETS	PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH. D VORKOEPEP. 12/3/64, 1P)	RP0101 M3454
SHELL	PRECAST CURVED CONCRETE SHELL TOTAL COST ESTIMATE FOR 2 AND 6 GEV INJECTION, C AND H MAGNETS (ADVANCED ACCELERATOR, MAGNET RING ENCLOSURE. W SALSIG. 1/24/64, 1P)	AC0409 M3244
SHELL	4-1/2-PCT-DUTY-FACTOR-OPERATION, DRIFT-TUBE STEM AND SHELL COOLING REQUIREMENTS (HEAVY ION ACCELERATOR. E HOYER. 4/13/62, 10P)	LA0105 M3069
SHIELD	DEPENDENCE OF RADIATION HEAT-TRANSFER ON HEAT SHIELD SPACING (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/23/63, 2P)	RC0103 M3034
SHIELDING	ADVANCED-ACCELERATOR, SHIELDING AND PERSONNEL PROTECTION. BEVATRON, SHIELDING AND SUPPORT STRUCTURES	GROUP AC1200
SHIELDING	CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. C CALLAHAN. 4/19/63, 8P UCID. 2330)	GROUP BE1100 BE0805 M3037
SHIELDING	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID. 2329)	BE0805 M3030
SHIELDING	CIRCULAR BUILDING WITH MOVABLE SHIELDING DOOR, COST ESTIMATES (FOR 150 FT, 132 FT, AND 114 FT DIA STRUCTURES) (ADVANCED ACCELERATOR, MAIN RING MAJOR EQUIPMENT ACCESSWAY, STUDIES NO. 11 AND NO. 12. O CALLAHAN. 3/4/64, 4P)	AC0411 M3279
SHIELDING	DESIGN OF QUADRANT END 2-DEG BOTTOM SHIELDING BLOCK, (QR-7) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 25P)	BE1130 M3461
SHIELDING	DESIGN OF QUADRANT END 2-DEG TOP SHIELDING BLOCK, (QR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 18P)	BE1130 M3462

SHIELDING	DESIGN OF TANGENT CENTER BOTTOM SHIELDING BLOCKS, (TR-6, TR-7, TR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I HALPERN. 12/4/64, 21P)	BE1130 M3460
SHIELDING	HIGH-DENSITY, 300-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. T TAYLOR. 7/9/62, R8/64, R10/64, R2/5/65, 7P)	SPEC. M16C
SHIELDING	HIPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS (BEVATRON. J OORT. 1/10/63, 14P)	BE1130 M3076
SHIELDING	MAGNETITE OR HEMATITE HIGH-DENSITY 225-LBS/CF CONCRETE SHIELDING BLOCKS (STANDARD SPECIFICATION. M POLIVKA. 4/10/62, R4/20/62, R6/12/63, R4/17/64, 5P)	SPEC. M15C
SHIELDING	MD SERIES SHIELDING BLOCK INDEX (184-INCH CYCLOTRON. W BRUNK. 4/5/63, 1P)	CA0101 M3019
SHIELDING	MECHANICAL ENGINEERING COST ESTIMATE FOR MACHINE COOLING AND SHIELDING AT VARIOUS DUTY-FACTORS (HEAVY ION ACCELERATOR. E HOYER. 6/4/63, 13P)	LA0105 M3070
SHIELDING	PHYSICS CAVE SHIELDING, INCREMENT I COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 4/17/63 R4/25/63, 4P)	CA0202 M3031A
SHIELDING	PHYSICS CAVE SHIELDING COST REASSESSMENT (184-INCH CYCLOTRON ACCELERATOR IMPROVEMENTS. A DANCOSSE. 9/3/63 R10/24/63, 2P)	CA0202 M3142A
SHIELDING	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/11/63, 2P)	CA0202 M3222
SHIELDING	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/11/63, 2P)	CA0202 M3222
SHIELDING	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/21/63, 4P)	CA0202 M3223
SHIELDING	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/21/63, 4P)	CA0202 M3223
SHIELDING	ROLLING CONCRETE SHIELDING ACCESS DOOR PLUG (ADVANCED ACCELERATOR. J SATTI. 3/3/65, 5P)	AC1200 M3508
SHIELDING	SHIELDING	GROUP AA0116
SHIELDING	SHIELDING BLOCKS FOR PHYSICS CAVE (184-INCH CYCLOTRON. IMPROVEMENTS. A DANCOSSE. 8/7/63, 1P)	CA0202 M3125
SHIELDING	SHIELDING BLOCKS, NUMBERING-SYSTEM (REVISED) (184-INCH CYCLOTRON. A DANCOSSE. 4/29/64, 4P)	CA0203 M3325
SHIELDING	SHIELDING FOR NEUTRON ATTENUATION IN THE MAJOR EQUIPMENT ACCESS (ADVANCED ACCELERATOR. J SATTI. 3/11/65, 2P)	AC1200 M3514
SHIELDING	SHIELDING FOR 100-PCT-LOAD-FACTOR, COST ESTIMATE (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/28/64, 3P)	LA0106 M3375
SHIELDING	SHIELDING FOR 100-PCT-LOAD-FACTOR COST ESTIMATE FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 3P)	LA0106 M3376

SHIELDING	SHIELDING FOR 100-PCT-LOAD-FACTOR, 3-IN THICK STEEL PLATES REQUIRED FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 1P)	LA0106 M3378
SHIELDING	SHIELDING STEEL PLATE IN STORAGE (BEVATRON. V FLETCHER. 2/19/65, 34P UCID 2478)	BE1130 M3504
SHIELDING	SHIELDING STEEL STORED ON BLACKBERRY CANYON ROAD (BEVATRON. J DORT. 2/11/63, 13P)	BE1130 M3077
SHIELDING	STEEL PLATE SHIELDING (184-INCH CYCLOTRON. A DANCOSSE. 1/17/64, 3P)	CA0203 M3245
SHIELDING	STEEL SHIELDING (REQUIRED FOR 100-PCT DUTY FACTOR) (HEAVY ION ACCELERATOR. E HOYER. 8/30/63, 2P)	LA0105 M3128
SHIELDING	SUMMARY OF FIELD INSPECTION OF SHIELDING BLOCKS (BEVATRON-SHIELDING. R MILLER. 6/14/63, 3P)	BE1130 M3075
SHIELDING	USED STEEL PLATE FOR SHIELDING (184-INCH CYCLOTRON. A DANCOSSE. 9/25/63, 1P)	CA0202 M3146
SHIELDING	100-PCT-POWER, STEEL SHIELDING, SIZES FOR ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 9/18/63, 2P UCID 1994)	LA0105 M3150
SHIELDING	300-LBS CF CONCRETE SHIELDING BLOCK COSTS (184-INCH CYCLOTRON. W BRUNK. 4/15/63, 2P)	CA0101 M3032
SHIELDING-BLOCK	ACTUAL CONCRETE SHIELDING-BLOCK COSTS AND ESTIMATED UNIT VALUE BREAKDOWNS FOR 1964 (M ELLIOTT. 3/8/65, 5P)	AA0116 M3511
SHIELDING-BLOCK	CONCRETE SHIELDING-BLOCK (WEIGHT AND VOLUME RECAPITULATION) (BEVATRON. W SALSIG. 6/10/63, 1P)	BE1130 M3073
SHIELDS	HYDROGEN ANNEALING OF MU-METAL SHIELDS (V ROMANO. 10/6/64, 1P)	SPEC. M370
SHIM	SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P)	AT0102 M3235
SHOCK	EQUATIONS FOR 5831 REGULATING TUBE SHOCK ABSORBER (BEVATRON INJECTOR II. S JOHNSON. 3/11/63 R2/26/64, 4P)	BE0905 M3001A
SHRINKAGE	YEARLY DEFLECTION INCREASE DUE TO CREEP AND SHRINKAGE FOR 1 AND 2 CELL BEAMS (TROXELL, RAPHAEL, DAVIS CRITERIA) (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT BEAMS. W SALSIG. 4/25/64, 3P)	AC0404 M3321
SILICATE	A REFLECTIVE COATING OF MAGNESIA AND SODIUM SILICATE FOR CERENKOV COUNTERS (H KRAPF, J BYCE. 9/30/64, 2P)	AA0500 M3425
SIMULATION	DIODE CIRCUITS FOR NON-LINEAR SIMULATION (S JOHNSON. 1/13/64, 9P UCID 2073)	AA0123 M3234
SITES	FOUR DESIGNS FOR SITES REQUIRING DEEP FOUNDATIONS, PRELIMINARY COST COMPARISON (ADVANCED ACCELERATOR, MAGNET ENCLOSURE. W SALSIG 12/20/63, 16P UCID 2067)	AC0409 M3226

SLAB	CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. O CALLAHAN. 4/19/63, 8P UCID 2330)	BE0805 M3037
SLAC	WORK FOR SLAC	GROUP AA0901
SLIDING	BASEMENT SLIDING STEEL DOOR, DESIGN CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 5/19/64, 3P)	LA0102 M3330
SLITS	BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR SECTION. S. JOHNSON. 2/20/63, 4P)	BE0907 M3005
SLITS	INSTRUCTIONS FOR REMOVING AND REPLACING THE INFLECTOR EXIT CUP AND DEFINING SLITS (BEVATRON, INJECTORS II INFLECTOR. F. CROSBY. 2/26/63 R10/8/64, 2P)	BE0907 M34208
SLOPE	MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M. FLEMING. 10/23/64 22P)	BE1201 M3448
SLUMPING	VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G. EDWARDS. 12/22/64, 3P)	BE0708 M3472
SOCIETY	AMERICAN SOCIETY FOR METALS MEETING (LOS ANGELES, MARCH 16 TO 19, 1964) (TRIP REPORT. V. ROMANO. 3/23/64, 11P)	AA0102 M3288
SOCIETY	AMERICAN VACUUM SOCIETY SYMPOSIUM (IN BOSTON, OCTOBER 16-18, 1963) (TRIP REPORT. R. REIMERS. 10/22/63, 1P)	AA0102 M3172
SOCIETY	BOSTON MEETING AMERICAN VACUUM SOCIETY, (OCTOBER 1963) (TRIP REPORT. J. HAUGHIAN. 10/29/63, 2P)	AA0102 M3174
SOCIETY	DESIGN ENGINEERING CONFERENCE AND SHOW OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (CHICAGO, ILLINOIS, MAY 11-14, 1964) (CONFERENCE REPORT. D. MORRIS. 5/25/64, 3P)	AA0102 M3332
SOCIETY	NINETEENTH ANNUAL INSTRUMENT SOCIETY OF AMERICA CONFERENCE AND EXHIBIT (TRIP REPORT. G. BEHRING. 11/2/64 4P)	AA0102 M3446
SOCIETY	TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS, (ATLANTIC CITY, JANUARY 1964. TRIP REPORT. J. TURNER. 2/10/64, 3P)	AA0102 M3260
SODIUM	A REFLECTIVE COATING OF MAGNESIA AND SODIUM SILICATE FOR CERENKOV COUNTERS (H. KRAFF, J. BYCE. 9/30/64, 2P)	AA0500 M3425
SOLDERING	MAGNET PANCAKE COILS, HARD SOLDERING COPPER BUSES ADJACENT TO EPOXY RESIN (25-INCH BUBBLE CHAMBER. F. BIERLEIN. 12/30/63, 6P)	HE0102 M3233
SOLDERING	MERCURY AMALGAM SOLDERING (PHYSICS RESEARCH, ALVAREZ GROUP. K. MCCARRON. 10/30/64, 1P UCID 2412)	RP0103 M3445

SOLDERING	WELDING, BRAZING, SOLDERING.	GROUP AA0121
SOLENOID	BETA RAY SPECTROMETER SOLENOID COIL ASSEMBLY (HEAVY ION ACCELERATOR NEW EQUIPMENT AND COMPONENTS. J HAUGHIAN. 10/13/64 R1/7/65, 6P)	LA0102 M3424A
SOLENOID	CONSTRUCTION AND CHARACTERISTICS OF SOLENOID MAGNET IRIS, 5 IN ID, 20 KG (R WOLGAST. 8/12/64, 7P)	AA0114 M3387
SOLENOID	SUPERCONDUCTING SOLENOID, COIL DESIGN AND CALCULATIONS (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/4/65, 8P UCID 2443)	RC0102 M3473
SOLENOID	SUPERCONDUCTING SOLENOID, EFFECTS OF FLUX JUMPS (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/6/65, 10P UCID 2444)	RC0102 M3476
SOLENOID	SUPERCONDUCTING SOLENOID, HEATING OF COPPER CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/11/65, 20P UCID 2446)	RC0102 M3479
SOLENOIDS	IRON-BOUND SOLENOIDS FOR BEAM FOCUSING (R MEUSER. 11/19/63, 10P)	AA0114 M3195
SOLENOIDS	MAGNETS, SOLENOIDS, COILS.	GROUP AA0114
SOLVENT	HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES (J TURNER. 10/15/63, 2P)	AA0106 M3160
SOLVING	CARTER-PRINCETON SEMINAR. SOLVING TEMPERATURE PROBLEMS WITH THERMOELECTRICS 1964 (TRIP REPORT. F HUBAL. 8/5/64, 15P UCID 2346)	AA0102 M3384
SOLVING	WORK SHEET FOR SOLVING A CUBIC-EQUATION (R SCHWARZ. 3/21/63, 1P)	AA0123 M3009
SORPTION	VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P)	AC0800 M3412
SOURCE	ION SOURCE ANODE POSITION (88-INCH CYCLOTRON. J HAUGHIAN. 5/24/63, 1P UCID 2230)	CB0130 M3059
SOURCE	ION SOURCE PROBE MANIPULATION MECHANISM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. J WAGNER. 9/26/63, 2P)	RC0103 M3153
SOURCE	ION SOURCE, GASEOUS HEAT CONDUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/30/63, 7P)	RC0103 M3044
SOURCE	ION SOURCE, NON-IONIZED GAS FLOW (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 5/3/63, 6P)	RC0103 M3039
SOURCE	ION SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/12/63, 2P)	RC0103 M3023

SPARK-CHAMBER	A RECIRCULATOR AND PURIFIER FOR SPARK-CHAMBER NEON GAS (E MCLAUGHLIN, R SCHAFER. 6/24/64, 1P)	AB0101 M3352
SPARK-CHAMBER	CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)	AT0102 M3497
SPARK-CHAMBER	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECK-LIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P)	BE0709 M3355
SPARK-CHAMBER	INTERLOCKING FOR SPARK-CHAMBER POWER SUPPLIES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 6/25/63, 1P UCID 1935)	AA0300 M3085
SPARK-CHAMBER	KENNEY POLYETHYLENE SPARK-CHAMBER, FOIL COATING OF POLYETHYLENE SHEETS, (RESEARCH REPORT ON) (PHYSICS RESEARCH. D VORKOEPEP. 10/14/64, 1P)	RP0101 M3429
SPARK-CHAMBER	PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH. D VORKOEPEP. 12/3/64, 1P)	RP0101 M3454
SPARK-CHAMBER	PEREZ GAMMA SPARK-CHAMBER, RUBBER GASKETS FOR SEALING LOW-PRESSURE GAS (PHYSICS RESEARCH, MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)	RP0101 M3493
SPARK-CHAMBER	PEREZ GAMMA SPARK-CHAMBER, ADHESIVE LAMINATING OF SPARK CHAMBER SANDWICH PLATES (PHYSICS RESEARCH MOYER-HELMHOLZ GROUP. D VORKOEPEP. 2/4/65, 1P)	RP0101 M3495
SPARK-CHAMBER	PLOT OF EQUAL-POTENTIAL LINES AROUND A SPARK-CHAMBER PLATE (GENERAL PHYSICS RESEARCH. A WATANABE. 2/11/65, 2P)	RP0104 M3501
SPARK-CHAMBER	SAFETY ASPECTS OF THE HYDROGEN SPARK-CHAMBER (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 8/7/63, 13P)	RA0204 M3114
SPARK-CHAMBER	SPARK-CHAMBER PRESSURIZATION WITH NEON AND SULFUR-DIOXIDE (BEVATRON, MASEK UNIV. OF WASH. EXPERIMENT, FEBRUARY 19, 1964. F HUBAL. 3/9/64, 5P)	BE0709 M3278
SPECIFICATION	ENGINEERING NOTE AND SPECIFICATION NUMBERING-SYSTEM (J TURNER. 1/9/64 R8/24/64, 10P)	AA0128 M3228A
SPECIFICATIONS SPECTROGRAPH-II	SPECIFICATIONS ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P)	GROUP 1 RC0106 M3157
SPECTROMETER	BETA RAY SPECTROMETER SOLENOID COIL ASSEMBLY (HEAVY ION ACCELERATOR NEW EQUIPMENT AND COMPONENTS. J HAUGHIAN. 10/13/64 R1/7/65, 6P)	LA0102 M3424A
SPECTROMETER	FIELD-FREE LABORATORY SPECTROMETER IMPROVEMENT, (PROGRESS MEETING) (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 5/28/63, 2P)	RC0101 M3063

SPECTROMETER	IMPROVED TEMPERATURE REGULATION FOR SPECTROMETER (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 8/12/63, 15P)	RC0101 M3119
SPECTROMETER	MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLLES, A VIEGELMAN. 9/21/64 2P UCID 2420)	RP0104 M3443
SPECTROMETER	VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT. 4/10/63, 4P)	BE0708 M3024
SPECTROMETER	VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON. EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P)	BE0708 M3472
SPECTROMETERS	PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING. PROCEDURE FOR PARTS (BEVATRON. G EDWARDS. 7/17/64, R12/21/64, 3P)	BE0708 M3368A
SPECTROMETERS	VELOCITY SPECTROMETERS MARK V, GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 4/30/63 R6/21/63 R1/5/65, 2P)	SPEC. M3518
SPECTROMETERS	VELOCITY SPECTROMETERS, 10-FOOT MAGNET (MARK V, 4-IN X 12-IN). (BEVATRON. H HERNANDEZ. 7/16/63, 18P)	BE0708 M3102
SPHERICAL	BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P)	AA0113 M3011
SPIRAL	MEASURING PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P)	RP0103 M3405
SPREADER-BAR	SPREADER-BAR ASSEMBLY STRESSES (BEVATRON SHIELDING. D MORRIS. 5/7/63, 4P)	BE1130 M3040
SPRING	BUBBLE-CHAMBER COMBINED OPERATION, SPRING 1964 (HYDROGEN SAFETY. SAFETY REQUIREMENTS FOR 25-IN HYDROGEN AND 30-IN PROPANE. COMMITTEE. R BYRNS. 12/17/63, 2P)	AA0300 M3209
SPUTTER-ION	VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P)	AC0800 M3412
STABILITY	EARTHQUAKE STABILITY CALCULATIONS FOR SUBSTATION EQUIPMENT (HEAVY ION ACCELERATOR. E HOYER. 4/7/64, 2P)	LA0105 M3328
STABILITY	STABILITY OF A CART WITH CASTERS (CHEMISTRY RESEARCH CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 3/21/63, 1P)	RC0103 M3008
STABILITY	184-IN CYCLOTRON ALPHA BEAM STABILITY STUDY (BIO-MEDICAL RESEARCH, IRRADIATION STEREOTAXIC APPARATUS FOR HUMANS, ISAH. F BIERLEIN. 2/10/64, 8P)	RB0108 M3297
STAGE	SHIELDING FOR 100-PCT-LOAD-FACTOR COST ESTIMATE FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 3P)	LA0106 M3376

STAGE	SHIELDING FOR 100-PCT-LOAD-FACTOR, 3-IN THICK STEEL PLATES REQUIRED FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 1P)	LA0106 M3378
STAGES	ANTI-BACKLASH NUT FOR MEASURING STAGES (J WILTENS. 9/30/64, 3P)	AA0501 M3426
STAINLESS-STEEL	DESIGN AND TEST OF 3-SECTOR STAINLESS-STEEL STANCHION, (QUADRANT II, 89-DEG AREA) (BEVATRON. A GLICKSMAN, H GRUNDER. 5/6/63, 24P)	BE1210 M3042
STAINLESS-STEEL	STAINLESS-STEEL HIGH VACUUM GATE VALVES, (SPECIFICATION AND PROCUREMENT OF) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/17/64, 2P UCID 2206)	RC0103 M3309
STAINLESS-STEEL	STAINLESS-STEEL LIQUID DEUTERIUM CONDENSER WITH MOST FAVORABLE COPPER FINS (W POPE, E MCLAUGHLIN. 7/31/63, 15P)	AT0102 M3111
STANCHION	DESIGN AND TEST OF 3-SECTOR STAINLESS-STEEL STANCHION, (QUADRANT II, 89-DEG AREA) (BEVATRON. A GLICKSMAN, H GRUNDER. 5/6/63, 24P)	BE1210 M3042
STANDARDIZATION	WORK DONE ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY 1964 (F REINATH. 7/16/64, 4P)	AB0105 M3369
STANDARDIZATION	WORK PLANNED ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY 1965 (F REINATH. 8/10/64, 3P)	AB0105 M3385
STANDARDS	MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273)	AA0112 M3342
STANDS	COST SUMMARY MAGNET SUPPORT STANDS (MECHANICAL ENGINEERING, GENERAL. S RICE. 2/4/65, 3P)	AA0103 M3492
STANDS	LINAC SUPPORT STANDS, STRESS ANALYSIS (BEVATRON INJECTOR II. R MEUSER. 8/9/63, 12P)	BE0905 M3116
STANFORD	JOINT AUTOMATIC CONTROLS CONFERENCE AT STANFORD UNIVERSITY 1964. (S JOHNSON. 7/3/64, 3P)	AA0102 M3361
STANFORD	VISIT TO STANFORD LINEAR ACCELERATOR (TRIP REPORT. R MEUSER. 10/28/63, 3P)	AA0102 M3173
STARTING	MAGNET PLUNGING ACTUATORS, MAINTENANCE AND STARTING PROCEDURES (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. D MORRIS, C PIKE. 4/3/63, 24P)	BE0802 M3020
STATUS	MECHANICAL ENGINEERING ASSISTANCE, STATUS REPORT-I (INORGANIC-MATERIALS-RESEARCH. G BEHRING. 3/3/64, 7P)	RA0200 M3274
STEEL	BASEMENT SLIDING STEEL DOOR, DESIGN CALCULATIONS (HEAVY ION ACCELERATOR. E HOYER. 5/19/64, 3P)	LA0102 M3330
STEEL	BUOYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P)	AA0113 M3011

STEEL	CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. O CALLAHAN. 4/19/63, 8P UCID 2330)	BE0805 M3037
STEEL	CALCULATIONS FOR WEIGHT, CENTER OF GRAVITY, MOMENTS, REACTIONS, SHEAR AND REINFORCING STEEL IN ROOF CONCRETE SHIELDING BLOCK PBR-1 (BEVATRON EXTERNAL PROTON BEAM, SHIELDING ROOF. O CALLAHAN. 4/10/63, 12P UCID 2329)	BE0805 M3030
STEEL	DIAGNOSTIC INSTRUMENT PACKAGE USING STEEL VESSEL, PRELIMINARY INVESTIGATION (R MEUSER. 3/28/63, 11P)	AB0402 M3021
STEEL	FLATTENING OF STEEL PLATES BY GRINDING (MOYER BEVATRON RUN, GAMMA SPARK CHAMBER. R PETERS. 11/13/64, 6P)	RP0101 M3456
STEEL	HIPPENSTAHL ARMOR PLATE STEEL SHIELDING FORGINGS (BEVATRON. J OORT. 1/10/63, 14P)	BE1130 M3076
STEEL	PEREZ GAMMA SPARK-CHAMBER, FLATTENING OF THIN STEEL SHEETS (PHYSICS RESEARCH. D VORKOEPR. 12/3/64, 1P)	RP0101 M3454
STEEL	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/11/63, 2P)	CA0202 M3222
STEEL	PHYSICS CAVE SHIELDING, STEEL SHIELDING COST (184-INCH CYCLOTRON. A DANCOSSE. 11/21/63, 4P)	CA0202 M3223
STEEL	SHIELDING FOR 100-PCT-LOAD-FACTOR, 3-IN THICK STEEL PLATES REQUIRED FOR FIRST STAGE OF CONSTRUCTION (HEAVY ION ACCELERATOR. J HAUGHIAN. 7/29/64, 1P)	LA0106 M3378
STEEL	SHIELDING STEEL PLATE IN STORAGE (BEVATRON. V FLETCHER. 2/19/65, 34P UCID 2478)	BE1130 M3504
STEEL	SHIELDING STEEL STORED ON BLACKBERRY CANYON ROAD (BEVATRON. J OORT. 2/11/63, 13P)	BE1130 M3077
STEEL	STEEL PLATE SHIELDING (184-INCH CYCLOTRON. A DANCOSSE. 1/17/64, 3P)	CA0203 M3245
STEEL	STEEL SHIELDING (REQUIRED FOR 100-PCT DUTY FACTOR) (HEAVY ION ACCELERATOR. E HOYER. 8/30/63, 2P)	LA0105 M3128
STEEL	USED STEEL PLATE FOR SHIELDING (184-INCH CYCLOTRON. A DANCOSSE. 9/25/63, 1P)	CA0202 M3146
STEEL	100-PCT-POWER, STEEL SHIELDING, SIZES FOR ESTIMATE (HEAVY ION ACCELERATOR. E HOYER. 9/18/63, 2P UCID 1994)	LA0105 M3150
STEERING	BRUTUS STEERING MAGNET, COST SUMMARY (HEAVY ION ACCELERATOR. R HINTZ. 4/12/63, 2P)	LA0102 M3025
STEERING	STEERING MAGNET III (BEVATRON INJECTOR II. R KILPATRICK. 5/21/63, 6P UCID 2332)	BE0906 M3057
STEERING	THE ECONOMY OF HIGH MAGNETIC FIELDS IN THE DESIGN OF LARGE STEERING MAGNETS (R HINTZ. 12/20/63, 2P)	AA0114 M3219
STEM	COOLING POST-STRIPPER DRIFT-TUBE STEM BELLOW (HEAVY ION ACCELERATOR. E HOYER, R BYRNS, R PARSONS. 6/29/64, 23P)	LA0103 M3354

STEM	PRE-STRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY ION ACCELERATOR. R BYRNS. 7/21/64, 17P)	LA0107 M3415
STEM	PROCEDURE FOR INSTALLING HIGH-STRENGTH BOLTS ON THE PRE-STRIPPER STEM CLAMPS (HEAVY ION ACCELERATOR. E HOYER. 7/19/63, 2P)	LA0101 M3100
STEM	4-1/2-PCT-DUTY-FACTOR-OPERATION, DRIFT-TUBE STEM AND SHELL COOLING REQUIREMENTS (HEAVY ION ACCELERATOR. E HOYER. 4/13/62, 10P)	LA0105 M3069
STEMS	PRE-STRIPPER COOLING, DRIFT-TUBES, STEMS AND STEM BELLOWS (HEAVY ION ACCELERATOR. R BYRNS. 7/21/64, 17P)	LA0107 M3415
STEREO	PULSED STEREO CAMERA (80-IN LIQUID HYDROGEN BUBBLE CHAMBER. D NORGREN. 10/12/64, 5P)	SPEC. M372
STEREO	STEREO CAMERA FOR BROOKHAVEN-NATIONAL-LABORATORY 80-INCH BUBBLE-CHAMBER, REVISED FILMSTRIP FORMAT (PHYSICS RESEARCH. D NORGREN. 9/2/64, 2P UCID 2351)	RP0103 M3401
STIFFNESS	LATERAL STIFFNESS OF PROPOSED DEEP PILE FOUNDATION (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, FOUNDATIONS AND SUPPORTS. W SALSIG. 8/24/64, 8P UCID 3249)	AC0402 M3398
STIFFNESS	RESONANT FREQUENCY AND LATERAL STIFFNESS OF PILE-SYSTEMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT. W CHAMBERLAIN. 4/14/64, 8P)	AC0404 M3304
STORAGE	LIQUEFIED GAS STORAGE AND EQUIPMENT.	GROUP AB0102
STORAGE	LIQUID HYDROGEN, HELIUM, AND OXYGEN STORAGE (HYDROGEN SAFETY COMMITTEE. H HERNANDEZ. 9/9/63, 3P)	AA0300 M3133
STORAGE	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421
STORAGE	SHIELDING STEEL PLATE IN STORAGE (BEVATRON. V FLETCHER. 2/19/65, 34P UCID 2478)	BE1130 M3504
STRAIGHT-TO-CURVED	GAP-MOUNTED FLIP-TARGET (MK VIII-Y) STRAIGHT-TO-CURVED ASSEMBLY PROCEDURE (BEVATRON. K STONE, D VANECEK. 9/16/63, 3P)	BE0702 M3137
STRENGTH	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64, R4/8/64, 3P)	BE0503 M3276A
STRESS	LINAC SUPPORT STANDS, STRESS ANALYSIS (BEVATRON INJECTOR II. R MEUSER. 8/9/63, 12P)	BE0905 M3116
STRESS	NEW BUBBLE-CHAMBER BODY, STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 4/2/63, 32P UCID 1902)	HD0102 M3054

STRESS	NEW BUBBLE-CHAMBER BODY ADDITIONAL STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 6/26/63, 16P UCID 1936)	HD0102 M3087
STRESS	NEW BUBBLE-CHAMBER BODY STRESS ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P)	HD0102 M3410
STRESS	NEW BUBBLE-CHAMBER BODY STRESS ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P)	HD0102 M3427
STRESS	NEW VACUUM TANK STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 5/24/63, 9P UCID 1905)	HD0102 M3060
STRESS	PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W SALSIG. 11/1/63, 4P)	AC0404 M3229
STRESS	REDUCING STRESS VARIATION IN MAGNET CORES WITH LEG AT ENDS (ADVANCED ACCELERATOR, MAIN RING. W CHAMBERLAIN. 5/12/64, 4P)	AC0505 M3326
STRESS	STRESS ANALYSIS OF A MATERIAL LIFTING FIXTURE (S WASILIK. 10/16/64, 7P)	AA0118 M3431
STRESS	STRESS ANALYSIS OF POST-STRIPPER TANK WITH THE NEW WATER JACKET COOLING-SYSTEM (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 31P)	LA0107 M3465
STRESS	STRESS CALCULATIONS, BUBBLE-CHAMBER BODY AND WINDOWS (25-INCH BUBBLE CHAMBER. J MYALL. 9/18/63, 49P UCID 2071)	HE0103 M3232
STRESSES	BEAM SIZES, STRESSES, SPACING AND DEFLECTION, COMMERCIAL WF BEAMS (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE FOUNDATION AND SUPPORTS, HALF-CELL LONG STEEL BEAMS. W SALSIG. 8/6/64, 6P)	AC0404 M3336
STRESSES	BLOCK LIFTING FIXTURE STRESSES (BEVATRON SHIELDING. D MORRIS. 5/2/63, 9P)	BE1130 M3041
STRESSES	NEW BUBBLE-CHAMBER BODY STRESS ANALYSIS STRESSES AND DEFLECTIONS IN THE LOWER PLATE (72-INCH BUBBLE CHAMBER. J TANABE. 9/23/64, 18P)	HD0102 M3410
STRESSES	NEW BUBBLE-CHAMBER BODY STRESS ANALYSIS STRESSES AND DEFLECTIONS IN THE UPPER BODY (72-INCH BUBBLE CHAMBER. J TANABE. 10/12/64, 18P)	HD0102 M3427
STRESSES	SPREADER-BAR ASSEMBLY STRESSES (BEVATRON SHIELDING. D MORRIS. 5/7/63, 4P)	BE1130 M3040
STRUCTURAL	DEE COOLING AND STRUCTURAL CALCULATIONS (88-INCH CYCLOTRON. J HAUGHIAN. 4/8/64, 19P)	CB0112 M3296
STRUCTURE	ADVANCED-ACCELERATOR, MAIN RING STRUCTURE	GROUP AC0400

STRUCTURE	MAGNET SUPPORT STRUCTURE CONSIDERATIONS (INTERIM DISCUSSION, APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURE AND SUPPORTS. W. SALSIG. 4/29/64, 6P)	AC0404 M3319
STRUCTURES	BEVATRON, SHIELDING AND SUPPORT STRUCTURES.	GROUP BE1100
STUDIES	ADVANCED-ACCELERATOR, OVERALL ENGINEERING STUDIES	GROUP AC0100
STUDIES	CENTER REGION STUDIES COST ESTIMATE (184-INCH CYCLOTRON PROPOSED IMPROVEMENTS. J VALE, K CROWE, R BURLEIGH. 4/10/64, 2P)	CA0100 M3300
STUDIES	SUPERCONDUCTIVITY STUDIES.	GROUP AB0103
STUDY-GROUP	ANALYTICAL-ENGINEERING STUDY-GROUP LECTURE-NOTES (DECEMBER 4 AND 11, 1962 MECHANICAL ENGINEERING, GENERAL. R SCHWARZ. 2/1/65, 15P)	AA0123 M3488
STUDY-GROUP	ANALYTICAL-ENGINEERING STUDY-GROUP LECTURE-NOTES (JANUARY 29, 1963, MECHANICAL ENGINEERING, GENERAL. R SCHWARZ. 2/1/65, 8P)	AA0123 M3489
SUBLIMATION	TITANIUM SUBLIMATION VACUUM PUMP (88-INCH CYCLOTRON. D ELO. 1/28/64, 6P)	CB0120 M3255
SUBROUTINE	FORTAN SUBROUTINE FOR PLOTTING LOGARITHMIC GRID LINES FOR THE CAL-COMP PLOTTER (R SCHWARZ. 6/10/64, 2P)	AA0123 M3337
SUBSTATION	EARTHQUAKE STABILITY CALCULATIONS FOR SUBSTATION EQUIPMENT (HEAVY ION ACCELERATOR. E HOYER. 4/7/64, 2P)	LA0105 M3328
SULFUR-DIOXIDE	SPARK-CHAMBER PRESSURIZATION WITH NEON AND SULFUR-DIOXIDE (BEVATRON, MASEK UNIV. OF WASH. EXPERIMENT, FEBRUARY 19, 1964. F HUBAL. 3/9/64, 5P)	BE0709 M3278
SULFUR-HEXAFLUORIDE	OPERATING INSTRUCTIONS AND CHECK-LIST 300 PSI SULFUR-HEXAFLUORIDE CERENKOV COUNTER (MOYER EXPERIMENT, MAY 1963) (BEVATRON. A GLICKSMAN. 5/15/63, 3P)	BE0709 M3055
SUPERCONDUCTING	CONSTRUCTION AND PERFORMANCE TESTS OF 2-1/2-IN. ID, 36-KG SUPERCONDUCTING COIL (R WOLGAST. 8/12/64, 4P)	AB0103 M3388
SUPERCONDUCTING	COST OF SUPERCONDUCTING MAGNETS (H HERNANDEZ. 3/31/63, 8P)	AB0103 M3018
SUPERCONDUCTING	POWER SUPPLY FOR SUPERCONDUCTING MAGNET (CHEMISTRY, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 9/21/64, 3P)	SPEC. M369
SUPERCONDUCTING	SUPERCONDUCTING SOLENOID, COIL DESIGN AND CALCULATIONS (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/4/65, 8P UCID 2443)	RC0102 M3473
SUPERCONDUCTING	SUPERCONDUCTING SOLENOID, EFFECTS OF FLUX JUMPS (CHEMISTRY RESEARCH, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/6/65, 10P UCID 2444)	RC0102 M3476
SUPERCONDUCTING	SUPERCONDUCTING SOLENOID, HEATING OF COPPER CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH, SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/11/65, 20P UCID 2446)	RC0102 M3479

SUPERCONDUCTIVITY SUPPLIES	SUPERCONDUCTIVITY STUDIES. INTERLOCKING FOR SPARK-CHAMBER POWER SUPPLIES (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 6/25/63, 1P UCID 1935)	GROUP AB0103 AA0300 M3085
SUPPLY	POWER SUPPLY FOR SUPERCONDUCTING MAGNET (CHEMISTRY, SHIRLEY LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 9/21/64, 3P)	SPEC. M369
SUPPORT SUPPORT	BEVATRON, SHIELDING AND SUPPORT STRUCTURES CALCULATIONS FOR REINFORCING STEEL IN CONCRETE SHIELDING SUPPORT SLAB (BEVATRON EXTERNAL PROTON BEAM, SHIELDING THRU 51A WALL AT BACK STOP. O CALLAHAN. 4/19/63, 8P UCID 2330)	GROUP BE1100 BE0805 M3037
SUPPORT	COST SUMMARY MAGNET SUPPORT STANDS (MECHANICAL ENGINEERING, GENERAL. S RICE. 2/4/65, 3P)	AA0103 M3492
SUPPORT	ELECTRODE SUPPORT INSULATOR, 13N3722 (BEVATRON EXPERIMENTAL FACILITIES VELOCITY SPECTROMETERS - MARK V. G EDWARDS. 5/27/63, R7/23/63, 1P)	SPEC. M355A
SUPPORT	LINAC SUPPORT STANDS, STRESS ANALYSIS (BEVATRON INJECTOR II. R MEUSER. 8/9/63, 12P)	BE0905 M3116
SUPPORT	MAGNET SUPPORT STRUCTURE CONSIDERATIONS (INTERIM DISCUSSION APRIL 1964) (ADVANCED ACCELERATOR, MAGNET ENCLOSURE AND SUPPORTS. W SALSIG. 4/29/64, 6P)	AC0404 M3319
SUPPORT SUPPORT	MATHEMATICAL SUPPORT. REPORT ON SELECTED MATHEMATICAL SUPPORT ACTIVITIES (FOR PERIOD. MARCH 28 TO APRIL 30, 1963.) (R SCHWARZ. 6/13/63, 17P)	GROUP AA0126 AA0126 M3078
SUPPORTS	MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III. A GLICKSMAN. 3/19/56. ISSUED 6/25/63, 54P)	BE1305 M3089
SURFACE	COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P)	LA0107 M3463
SURVEY	MAGNET SURVEY COMPUTER PROGRAM (BEVATRON MAGNET CORE. J WALTER. 3/11/64, 11P)	BE1201 M3286
SURVEY	MAGNET SURVEY REVISED COMPUTER PROGRAM TO CALCULATE AND PRODUCE A CAL-COMP PLOT OF ELEVATION AND SLOPE OF APERTURE CENTERLINE (BEVATRON MAGNET CORE. M FLEMING. 10/23/64 22P)	BE1201 M3448
SURVEY	PRELIMINARY SURVEY OF MAGNET DESIGN PROBLEMS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 9/27/63, 7P)	AC0501 M3154
SWAGELOCK	ACCIDENT WITH SWAGELOCK CAP (HYDROGEN SAFETY COMMITTEE. R BYRNS, F BARRERA. 3/2/64, 2P)	AA0300 M3277
SWITCH	A NEW TYPE WATER FLOW SWITCH AND INDICATOR (W EATON, F CROSBY. 6/15/64, 3P)	AB0101 M3340

SWITCH	FLOW SWITCH DESIGN UTILIZING DIFFUSER RECOVERY (HEAVY ION ACCELERATOR. E HOYER. 5/26/64. 19P)	LA0103 M3334
SWITCH	FLOW SWITCH FOR 16-32-16-12-INCH DIAMETER QUADRUPOLE MAGNET TRIplet (184-INCH CYCLOTRON. W. BRUNK. 6/24/63. 2P)	CA0303 M3086
SWITCH	FLOW SWITCH REPLACEMENT ON 102 LINAC DRIFT-TUBE COOLING CIRCUITS (BEVATRON, INJECTOR II. W. EATON. 6/24/64. 3P)	BE0905 M3351
SWITCH	GEMS PS-900 FLOW SWITCH CALIBRATION (BIO-ORGANIC CHEMISTRY LEMMON C-14 ISOTOPE SEPARATOR SOURCE. G. BEHRING. 10/28/64. 1P)	RC0500 M3439
SWITCH	MULTI-ORIFICE FOR FLOW SWITCH, DESIGN AND FLOW CHECK (BEVATRON INJECTOR II LINAC. W. EATON. 6/18/64 R1/12/64. 3P UCID 2411)	BE0905 M3346A
SWITCH	ONE-HALF INCH WATER FLOW SWITCH (HEAVY ION ACCELERATOR, 88-INCH CYCLOTRON. E HOYER. 11/20/63. 6P)	LA0102 M3189
SWITCHES	BIMETALLIC KLIXON OVER-TEMPERATURE SWITCHES FOR MAGNET CONDUCTORS (BEVATRON EXTERNAL PROTON BEAM. D. MORRIS. 8/18/64. 1P UCID 2365)	BE0806 M3391
SYMPOSIUM	AMERICAN VACUUM SOCIETY SYMPOSIUM (IN BOSTON, OCTOBER 16-18, 1963) (TRIP REPORT. R. REIMERS. 10/22/63. 1P)	AA0102 M3172
SYMPOSIUM	AMERICAN VACUUM SYMPOSIUM, (SEPTEMBER 30 THROUGH OCTOBER 2, 1964) (TRIP REPORT. G. EDWARDS. 10/19/64. 3P)	AA0102 M3433
SYMPOSIUM	AVS SYMPOSIUM AT BOSTON, BROOKHAVEN AND ARGONNE-NATIONAL-LAB. (TRIP REPORT. K. LOU. 11/12/63. 2P)	AA0102 M3178
SYNCHROTRON	ADVANCED-ACCELERATOR, SYNCHROTRON INJECTOR	GROUP AC0300
SYNCHROTRON	BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. H. HERNANDEZ. 12/21/64. 14P)	AC0300 M3475
SYNCHROTRON	TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S. JOHNSON. 7/27/64. 1P)	AA0102 M3373
SYNCHROTRON	VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F. REINATH. 10/11/63. 6P)	AA0102 M3158
TABLES	PROPOSED BOOK OF TABLES SIMPLIFYING ROARKS FORMULAE (R. SCHWARZ. 6/17/64. 5P)	AA0123 M3343
TANGENT	DESIGN OF TANGENT CENTER BOTTOM SHIELDING BLOCKS, (TR-6, TR-7, TR-8) (BEVATRON 10-13 P.P.P. OUTER RING ROOF SHIELDING SOUTH TANGENT AREA. I. HALPERN. 12/4/64. 21P)	BE1130 M3460

TANGENTIAL	DIMENSIONAL VARIATIONS OF TRANSITION TANK AND TANGENTIAL BRACE (AT SOUTH END OF EAST TANGENT TANK AS OF OCTOBER 1962) (BEVATRON. R EDWARDS. 6/10/64, 3P)	BE1201 M3338
TANK	COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P)	LA0107 M3463
TANK	COOLING WATER FLOW ANALYSIS OF POST-STRIPPER TANK (HEAVY ION ACCELERATOR. J SATTI. 12/14/64, 17P)	LA0107 M3464
TANK	DIMENSIONAL VARIATIONS OF TRANSITION TANK AND TANGENTIAL BRACE (AT SOUTH END OF EAST TANGENT TANK AS OF OCTOBER 1962) (BEVATRON. R EDWARDS. 6/10/64, 3P)	BE1201 M3338
TANK	EXTENSION VACUUM TANK (BEVATRON BEAM EXIT - QUADRANT II - 89-DEG AREA. A GLICKSMAN. 7/23/63, 4P)	BE1805 M3287
TANK	NEW VACUUM TANK STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 5/24/63, 9P UCID 1905)	HD0102 M3060
TANK	PRESTRIPPER TANK GRILL COOLING REQUIREMENTS AT 100-PCT-DUTY-CYCLE (HEAVY ION ACCELERATOR. J SATTI. 9/9/64, 18P)	LA0107 M3409
TANK	STRESS ANALYSIS OF POST-STRIPPER TANK WITH THE NEW WATER JACKET COOLING-SYSTEM (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 31P)	LA0107 M3465
TANK	TEMPERATURE DIFFERENCE BETWEEN THE COOLING WATER AND THE INSIDE OF THE TANK WALL (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 21P)	LA0107 M3466
TANKS	REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P)	AC0305 M3295
TANTALUM	ION SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/12/63, 2P)	RC0103 M3023
TAPES	HEAT AND SOLVENT RESISTANCE OF POLYESTER MYLAR ELECTRICAL TAPES (J TURNER. 10/15/63, 2P)	AA0106 M3160
TARGET	ALUMINUM FOIL DOME FORMING FOR TARGET FLASKS (W PDPE, J HUGULEY. 11/7/63, 3P)	AT0102 M3180
TARGET	COST ESTIMATES FOR PROPOSED TARGET AREAS (HEAVY ION ACCELERATOR, PROPOSED IMPROVEMENTS. E HOYER. 2/17/64, 3P)	LA0100 M3262
TARGET	ELECTRIC HEATERS ON HYDROGEN TARGET RESERVOIRS (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)	AA0300 M3450
TARGET	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K STONE, D VANECEK. 9/13/63, 6P)	BE0702 M3138

TARGET	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/17/63, 5P)	BE0702 M3139
TARGET	HYDROGEN GAS TARGET, OPERATION CHECK-LIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P)	BE0709 M3221
TARGET	HYDROGEN TARGET OPERATING PROCEDURE WITH 150-LITER DEWAR (E MCLAUGHLIN. 10/8/64, 5P UCID 3281)	AT0101 M3419
TARGET	INSTRUCTIONS FOR THE USE OF MAGNETO-OPTICAL TARGET 13Q8894 (BEVATRON. S WASILIK. 10/5/64, 2P)	BE0705 M3422
TARGET	LIQUID DEUTERIUM TARGET FOR ARGONNE (R WOLGAST. 8/28/64, 3P UCID 2352)	AT0102 M3402
TARGET	MIRROR TARGET ROTATIONAL ACCURACIES BY JIG TRANSIT (OBSERVATIONS FROM TWELVE FEET) (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 10/23/64, 3P UCID 2419)	AA0901 M3442
TARGET	STATIC TEST OF COUPLING FOR TRAVELING TARGET (BEVATRON. K STONE. 9/18/63, 2P)	BE0702 M3135
TARGET	1-1/4-IN DIA. X 3-1/8-IN LG. GAS TARGET OPERATING PROCEDURE (W POPE. 1/28/64, 2P)	AT0101 M3251
TARGETING	PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 8/28/64, 4P UCID 2417)	AA0901 M3440
TARGETING	PROPOSAL FOR TARGETING QUADRUPOLE MAGNETS (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 9/3/64 6P UCID 2421)	AA0901 M3444
TARGETS	ADVANCED ACCELERATOR, EXTRACTED BEAMS AND TARGETS	GROUP AC1000
TARGETS	SAFETY RULES FOR LOW-PRESSURE FLAMMABLE GAS TARGETS (HYDROGEN SAFETY COMMITTEE. E MC LAUGHLIN. 2/21/64, 1P)	AA0300 M3265
TARGETS	TARGETS, HYDROGEN, HELIUM	GROUP AT0100
TECHNICIANS	MECHANICAL TECHNICIANS, GENERAL	GROUP AA0500
TECHNOLOGY	VARIAN VACUUM TECHNOLOGY SEMINAR 1964 (MEETING REPORT. G PFAFF. 4/20/64, 8P UCID 2202)	AA0102 M3310
TELESCOPE	ALIGNMENT TELESCOPE BRACKET (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 9/11/64, 4P UCID 2380)	AA0901 M3423
TEMPERATURE	A SENSITIVE TEMPERATURE DEVIATION DETECTOR (CHEMISTRY RESEARCH. BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 3/25/63, 6P)	RC0101 M3038
TEMPERATURE	CARTER-PRINCETON SEMINAR. SOLVING TEMPERATURE PROBLEMS WITH THERMOELECTRICS 1964 (TRIP REPORT. F HUBAL. 8/5/64, 15P UCID 2346)	AA0102 M3384

TEMPERATURE	IMPROVED TEMPERATURE REGULATION FOR SPECTROMETER (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 8/12/63, 15P)	RC0101 M3119
TEMPERATURE	PULSE-LINE IGNITRON TEMPERATURE CONTROL-SYSTEM, DESCRIPTION AND OPERATING INSTRUCTIONS (HEAVY ION ACCELERATOR. E HOYER. 5/31/63, 3P)	LA0101 M3067
TEMPERATURE	TEMPERATURE DIFFERENCE BETWEEN THE COOLING WATER AND THE INSIDE OF THE TANK WALL (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 21P)	LA0107 M3466
TEMPERATURE	TEMPERATURE DISTRIBUTION IN A WATER COOLED HOLLOW CONDUCTOR (R SCHWARZ. 9/10/63, 9P)	AA0123 M3130
TEMPERATURE	TEMPERATURE DISTRIBUTION IN PROPOSED COMPENSATING MAGNET (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 9/8/64 R1/25/65, 17P.)	RC0102 M3411A
TEMPERATURE	TESTING OF GLASS FOR VOLUME RESISTIVITY AS A FUNCTION OF TEMPERATURE (BEVATRON VELOCITY SPECTROMETERS. D IJAMS. 5/4/64. R7/28/64, 6P UCID 2372)	BE0708 M3324A
TEMPERATURE-DROP	TEMPERATURE-DROP BETWEEN HEATED SHEET AND COOLING TUBE (88-INCH CYCLOTRON DEE. J HAUGHIAN. 4/10/64, 2P)	CB0112 M3303
TERMINAL	HIGH-VOLTAGE TERMINAL, INSTRUCTIONS FOR LOWERING AND RAISING SERVICING PLATFORM (BEVATRON INJECTOR II ION SOURCE. W EATON. 3/29/63, 1P)	BE0902 M3017
TEST	BEARING EVALUATION TEST (BEVATRON EXTERNAL PROTON BEAM INTERNAL BEAM DEFLECTION. E HOYER. 1/20/61, 7P)	BE0802 M3082
TEST	BUBBLE-CHAMBER MULTIPULSING TEST DURING ENGINEERING RUN, NOVEMBER 1963 (25-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ. 4/1/64, 1P UCID 2157)	HE0106 M3290
TEST	BURSTING STRENGTH TEST OF ALUMINUM FOIL RUPTURE DISC, REACTOR COOLING OIL (BEVATRON ACCELERATING SYSTEM. F HUBAL. 3/6/64. R4/8/64, 3P)	BE0503 M3276A
TEST	COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P)	LA0107 M3463
TEST	CRYOGENIC PRESSURE TEST OF 4-IN KOVAR-7052 GLASS SEAL FOR LIQUID HYDROGEN SPARK-CHAMBER (HYDROGEN AND HELIUM TARGET DEVELOPMENT. W POPE. 2/5/65, 3P UCID 2460)	AT0102 M3497
TEST	DESIGN AND TEST OF 3-SECTOR STAINLESS-STEEL STANCHION, (QUADRANT II, 89-DEG AREA) (BEVATRON. A GLICKSMAN, H GRUNDER. 5/6/63, 24P)	BE1210 M3042
TEST	DRIFT-TUBE MAGNET COIL CORROSION RATE TEST (BEVATRON INJECTOR II LINAC. S JOHNSON. 7/8/63, 3P)	BE0905 M3091
TEST	ELECTRIC HOIST ACCEPTANCE TEST (BEVATRON. R KREVITT. 4/1/64, 3P)	BE0610 M3289

TEST	ELECTRIC HOIST ACCEPTANCE TEST AND A FRAME ANALYSIS (BEVATRON. R KREVITT. 4/1/64 R4/29/64, 7P)	BE0610 M3289A
TEST	FLYING-SPOT DIGITIZER, ALUMINIZED GLASS PLATE TEST PATTERN (DATA HANDLING. R WEBER. 2/11/65, 4P)	SPEC. M375
TEST	HIGH-PRESSURE HYDROGEN SPARK-CHAMBER OPERATING CHECK-LIST, PROCEDURE AND PRESSURE TEST (BEVATRON, LOFGREN GROUP. J WALTER. 7/1/64, 4P)	BE0709 M3355
TEST	HOSE CONNECTION ADHESIVE TEST (HEAVY ION ACCELERATOR, IGNITRON TEMPERATURE CONTROL SYSTEM, INSULATING WATER COIL. E HOYER. 6/25/63, 3P)	LA0103 M3083
TEST	HYDROGEN GAS TARGET, OPERATION CHECK-LIST AND PRESSURE TEST (BEVATRON, LOFGREN P-P SCATTERING EXPERIMENT. J WALTER. 12/30/63, 4P)	BE0709 M3221
TEST	KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS, TEST PROCEDURE (184-INCH CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS. L GLASGOW. 1/4/65, 3P)	CA0200 M3474
TEST	LIQUID HELIUM COOLED TEST CHAMBER AND EXPERIMENT (CHEMISTRY RESEARCH, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. G BEHRING. 12/4/64, 7P UCID 2436)	RC0102 M3458
TEST	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION SCIENTIFIC, MODEL 150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/65, 3P)	AA0112 M3478
TEST	PERFORMANCE TEST OF A CHA INDUSTRIES 6 IN HIGH VACUUM PUMPING-SYSTEM (G PFAFF. 8/13/64, 6P UCID 2345)	AA0112 M3389
TEST	PRESSURE TEST OF ALL ALUMINUM LH2 FLASK (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 1/6/64, 1P)	AA0300 M3225
TEST	PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P)	AA0113 M3110
TEST	PRESSURE TEST OF LOWER VACUUM JACKET ASSEMBLY (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)	AA0300 M3449
TEST	STATIC TEST OF COUPLING FOR TRAVELING TARGET (BEVATRON. K STONE. 9/18/63, 2P)	BE0702 M3135
TEST	VACUUM TEST OF A PARKER JIG-O-SEAL GASKET (R KREVITT. 4/26/63, 2P UCID 1890)	AA0117 M3035
TESTING	MAGNET COIL IMPULSE TESTING (V ROMANO. 11/11/63, 4P)	AA0114 M3191
TESTING	NON-DESTRUCTIVE TESTING FOR LIFTING LINKS (STANDARD SPECIFICATION. R NICKERSON. M ELLIOTT. 3/11/63, 1P)	SPEC. M17
TESTING	NON-DESTRUCTIVE TESTING, MAGNETIC PARTICLE INSPECTION (R NICKERSON. 5/7/63, 1P)	SPEC. M352
TESTING	TESTING KLIXON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P)	BE0806 M3193

TESTING	TESTING OF GLASS FOR VOLUME RESISTIVITY AS A FUNCTION OF TEMPERATURE (BEVATRON VELOCITY SPECTROMETERS. D IJAMS. 5/4/64. R7/28/64, 6P UCID 2372)	BE0708 M3324A
TESTS	BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W POPE. 1/20/64, 5P)	AT0102 M3252
TESTS	CONSTRUCTION AND PERFORMANCE TESTS OF 2-1/2-IN. ID, 36-KG SUPERCONDUCTING COIL (R WOLGAST. 8/12/64, 4P)	AB0103 M3388
TESTS	PREFERRED PRACTICES FOR MAGNET COIL CONDUCTOR JOINTS AND TESTS (R BURLEIGH. 8/7/63, 10P)	AA0114 M3113
TESTS	TRACING VELLUM TESTS FOR ACCEPTABILITY (P BEAN. 1/20/65, 2P)	SPEC. M377
THEORY	THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE	AA0112 M3364A
THERMAL	KLIXON THERMAL INTERLOCKS FOR AUXILIARY MAGNETS, TEST PROCEDURE (184-INCH CYCLOTRON, FY 1964 ACCELERATOR IMPROVEMENTS. L GLASGOW. 1/4/65, 3P)	CA0200 M3474
THERMAL	TESTING KLIXON THERMAL RELAYS IN A MAGNETIC FIELD (BEVATRON EXTERNAL PROTON BEAM. F CROSBY. 11/19/63, 1P)	BE0806 M3193
THERMIONIC	ION SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/12/63, 2P)	RC0103 M3023
THERMOCOUPLE	BUBBLE-CHAMBER THERMOCOUPLE LOCATION. (FIRST RUN) (25-INCH BUBBLE CHAMBER. Y MARUYAMA. 10/24/63, 1P)	HE0106 M3171
THERMOCOUPLE	HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P)	AA0112 M3217
THERMOCOUPLE	RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P)	RA0204 M3099
THERMOCOUPLE	THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G PFAFF. 12/17/63, 7P)	AA0112 M3212
THERMOCOUPLE	THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE (G PFAFF. 12/16/63, 2P)	AA0112 M3210
THERMOCOUPLE	THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G PFAFF. 12/17/63 R1/21/64, 8P)	AA0112 M3212A
THERMOELECTRICS	CARTER-PRINCETON SEMINAR. SOLVING TEMPERATURE PROBLEMS WITH THERMOELECTRICS 1964 (TRIP REPORT. F HUBAL. 8/5/64, 15P UCID 2346)	AA0102 M3384
THREE-POINT	FOUR-POINT VERSUS THREE-POINT FLOOR LOADING FOR TRAVELING MAGNET (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/20/63, 4P)	RC0103 M3056
TILTING	PRECISION MIRROR TILTING IN TWO COORDINATE PLANES (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/23/64 R11/17/64 3P UCID 2422)	AA0901 M3447A

TIME	CAVE VACUUM PREDICTED ROUGHING TIME (88-INCH CYCLOTRON, EXPERIMENTAL EQUIPMENT BEAM TUBES. R PETERS, T HENDERSON. 11/14/63, 7P)	CB0200 M3185
TIME	NEW BUBBLE-CHAMBER BODY, COST AND TIME ESTIMATE (72-INCH HYDROGEN BUBBLE CHAMBER. H HERNANDEZ, F BARRERA. 5/10/63, 3P UCID 1901)	HD0102 M3052
TIME-STUDIES TIP	COSTS, TIME-STUDIES, ESTIMATING LOW-POWER 8-INCH QUADRUPOLE MAGNETS POLE TIP PHYSICAL REALIGNMENT (BEVATRON. R EDWARDS. 5/15/63, 2P)	GROUP AA0103 BE0701 M3048
TIPS	ALPHA PARTICLE SPECTROGRAPH-II, COST ESTIMATE FOR NEW SET OF POLE TIPS (CHEMISTRY RESEARCH, DECAY SCHEMES OF ALPHA EMITTERS. R HINTZ. 10/11/63, 2P)	RC0106 M3157
TIPS	VANADIUM PERMENDUR MAGNET POLE TIPS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/22/63, 2P)	AC0502 M3170
TITANIUM	TITANIUM SUBLIMATION VACUUM PUMP (88-INCH CYCLOTRON. D ELO. 1/28/64, 6P)	CB0120 M3255
TOLERANCE	TOLERANCE ON MAGNET COIL LOCATION (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 12/18/63, 4P)	AC0505 M3211
TOLERANCES	INITIAL THOUGHTS ABOUT TOLERANCES ON MAGNET UNIT (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 2/10/64, 2P)	AC0501 M3259
TOOL	J GROOVE FOR O-RINGS, TOOL, GAGE AND GROOVE DESIGN SHEET (J. ROSKELLEY. 11/15/63, 1P)	SPEC. M361A
TOOLING	MAGNET ALIGNMENT BY OPTICAL TOOLING (STANFORD LINEAR ACCELERATOR CENTER. A VIEGELMANN, J SCHOLES. 10/1/64, 10P UCID 2418)	AA0901 M3441
TOOLING TOOLS TORISPHERICAL	OPTICAL INSTRUMENTATION AND TOOLING DEVICES, COMPONENTS, TOOLS. SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P)	GROUP AA0501 GROUP AA0118 AT0102 M3235
TOUR	TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT. S JOHNSON. 7/27/64, 1P)	AA0102 M3373
TOWER-4	ADJUSTMENTS AND ALTERATIONS TO THE TOWER-4 LOW-CONDUCTIVITY WATER-SYSTEM AND LOADS (BEVATRON. W EATON. 8/2/63, 3P)	BE0104 M3112
TRACING	TRACING VELLUM TESTS FOR ACCEPTABILITY (P BEAN. 1/20/65, 2P)	SPEC. M377
TRANSFORMER	70-KV ISOLATION FIRING TRANSFORMER, SELECTION OF NON-BURNING EPOXY INSULATION (HEAVY ION ACCELERATOR. E HOYER, J TURNER. 11/20/63, 6P)	LA0102 M3196
TRANSIENT	TRANSIENT RESPONSE TO EARTHQUAKE MOTION OF A CONTINUOUS CONCRETE BEAM 93-FT LONG (ONE CELL) (ADVANCED ACCELERATOR, MAIN RING MAGNET SUPPORT AND ENCLOSURE. S JOHNSON. 5/7/64, 10P)	AC0404 M3360

TRANSIT	MIRROR TARGET ROTATIONAL ACCURACIES BY JIG TRANSIT (OBSERVATIONS FROM TWELVE FEET) (STANFORD LINEAR ACCELERATOR CENTER. J SCHOLES, A VIEGELMANN. 10/23/64, 3P UCID 2419)	AA0901 M3442
TRANSITION	DIMENSIONAL VARIATIONS OF TRANSITION TANK AND TANGENTIAL BRACE (AT SOUTH END OF EAST TANGENT TANK AS OF OCTOBER 1962) (BEVATRON. R EDWARDS. 6/10/64, 3P)	BE1201 M3338
TRANSPORT	MEASURING PROJECTOR, SPIRAL READER, FILM TRANSPORT, AIR BEARING (PHYSICS RESEARCH. F TOBY. 9/3/64, 5P)	RP0103 M3405
TRAVELING	FOUR-POINT VERSUS THREE-POINT FLOOR LOADING FOR TRAVELING MAGNET (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F BUCHTEL. 5/20/63, 4P)	RC0103 M3056
TRAVELING	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET AIR-LOCK OPERATION (BEVATRON. K STONE, D VANECEK. 9/13/63, 6P)	BE0702 M3138
TRAVELING	GAP-MOUNTED FLIP-TARGET (MK VIII-T) TRAVELING TARGET OPERATING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/17/63, 5P)	BE0702 M3139
TRAVELING	STATIC TEST OF COUPLING FOR TRAVELING TARGET (BEVATRON. K STONE. 9/18/63, 2P)	BE0702 M3135
TRIP-REPORT	BROOKHAVEN, CAMBRIDGE, GENERAL-ELECTRIC, TRIP-REPORT (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 6/16/64, 28P)	AC0300 M3344
TRIPLET	CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE TRIPLET MAGNET. HERC (184-IN CYCLOTRON, AUXILIARY EXPERIMENTAL EQUIPMENT, FOCUSSING MAGNETS. D ROTHFUSS. 8/30/63, 4P)	SPEC. M359
TRIPLET	CENTER SECTION FOR 12-INCH APERTURE QUADRUPOLE MAGNET TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/20/63, 5P)	CA0303 M3081
TRIPLET	FLOW SWITCH FOR 16-32-16-12-INCH DIAMETER QUADRUPOLE MAGNET. TRIPLET (184-INCH CYCLOTRON. W BRUNK. 6/24/63, 2P)	CA0303 M3086
TRUCK	TRUCK CHASSIS (PORTABLE BIOLOGICAL LABORATORY. R FULTON. 4/22/63, R12/17/63, R1/28/64, 1P)	SPEC. M3498
TUBE	CW DRIVER TUBE AND GRID CONDENSER COOLING (HEAVY ION ACCELERATOR. E HOYER. 6/26/63, 9P)	LA0102 M3141
TUBE	EQUATIONS FOR 5831 REGULATING TUBE SHOCK ABSORBER (BEVATRON INJECTOR II. S. JOHNSON. 3/11/63 R2/26/64, 4P)	BE0905 M3001A
TUBE	M-4 MAGNET VACUUM TUBE STUDY (BEVATRON EXTERNAL PROTON BEAM VACUUM CHANNEL. A WATANABE. 3/28/63, 12P)	BE0803 M3016
TUBE	TEMPERATURE-DROP BETWEEN HEATED SHEET AND COOLING TUBE (88-INCH CYCLOTRON DEE. J HAUGHIAN. 4/10/64, 2P)	CB0112 M3303

TUBE	THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G. PFAFF. 12/17/63, 7P)	AA0112 M3212
TUBE	THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G. PFAFF. 12/17/63. R1/21/64, 8P)	AA0112 M3212A
TUBING	BUTYL RUBBER TUBING FOR VACUUM USE (STANDARD SPECIFICATION. J. TURNER. 12/26/61, R4/14/64, R7/22/64, 2P)	SPEC. M18B
TUBING	BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G. PFAFF. 4/3/64, 1P UCID 2158)	AA0112 M3294
TUBING	CURRENT CARRYING CAPACITY OF SEVERAL UCLRL TUBING FITTINGS (INORGANIC MATERIALS RESEARCH, SEARCY, HIGH TEMPERATURE CHEMISTRY. G. BEHRING. 2/19/64, 5P)	RA0201 M3266
TUNGSTEN	ION SOURCE, THERMIONIC EMISSION OF TUNGSTEN AND TANTALUM (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R. REIMERS. 4/12/63, 2P)	RC0103 M3023
TUNING	COOLING WATER FLOW REQUIREMENTS FOR TUNING LOOPS (HEAVY ION ACCELERATOR, 100-PCT-DUTY-FACTOR-OPERATION. E. HOYER. 7/16/63, 2P)	LA0105 M3097
TUNING	RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M. GREEN. 4/29/64 R5/8/64 R2/17/65, 11P UCID 2450)	AC0304 M3322B
TUNING	RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M. GREEN. 4/29/64 R5/8/64, 11P)	AC0304 M3322
TUNING-SYSTEM	A ROTARY CAPACITIVE TUNING-SYSTEM FOR A 50-MC TO 100-MC RF CAVITY (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. RF-SYSTEM. M. GREEN. 6/29/64, 27P)	AC0304 M3365
TUNING-SYSTEM	RF-SYSTEM THE ELECTRICAL AND MECHANICAL PROPERTIES OF THE MECHANICAL TUNING-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M. GREEN. 5/20/64 R3/2/65, 22P UCID 2451)	AC0304 M3331A
TUNING-SYSTEM	RF-SYSTEM, A MECHANICAL TUNING-SYSTEM FOR A CAVITY TO BE TUNED FROM 50-MC TO 100 MC (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M. GREEN 6/2/64 R3/2/65, 22P UCID 2452)	AC0304 M3339A
TUNNEL	THE ADVANTAGE OF CENTERING BEAM IN TUNNEL, (WITH THREE EXAMPLES) (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W. CHAMBERLAIN. 2/26/64, 6P)	AC0404 M3270
TURNTABLE	FORCE REQUIRED TO MOVE MAGNET TURNTABLE (184-INCH CYCLOTRON, PHYSICS CAVE SHIELDING. A. DANCOSSE. 6/24/64 R8/3/64, 2P)	CA0202 M3353A
ULTRA-HIGH	ULTRA-HIGH VACUUM DESIGN CRITERIA (CHEMISTRY RESEARCH. R. REIMERS. 6/19/64 R6/29/64, 1P UCID 2279)	RC0100 M3350A

UNATTENDED	UNATTENDED INDUSTRIAL-TYPE LIQUID HYDROGEN DEWAR (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 12/11/63, 1P)	AA0300 M3206
UNIFORMLY-LOADED	DEFLECTIONS AND NATURAL FREQUENCIES OF UNIFORMLY-LOADED UNIFORM BEAMS (R MEUSER. 11/8/63, 7P)	AA0129 M3194
UNIVERSITY	JOINT AUTOMATIC CONTROLS CONFERENCE AT STANFORD UNIVERSITY 1964 (S JOHNSON. 7/3/64, 3P)	AA0102 M3361
UNIVERSITY	UNIVERSITY OF CALIFORNIA TECHNICAL WRITING SEMINAR (MEETING REPORT. V ROMANO. 12/5/63 R10/28/64, 9P)	AA0102 M3205A
UPTAKE	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 4/1/63, 13P)	RB0101 M3029
UPTAKE	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 1/4/64, 3P)	RB0101 M3231
UTILITIES	BEVATRON, BUILDING, UTILITIES	GROUP BE0100
VACUUM	A GASKET FOR VACUUM SEALING FLANGED PIPE JOINTS (ADVANCED ACCELERATOR, INJECTOR, BOOSTER SYNCHROTRON, VACUUM SYSTEM. F MIDDLETON. 11/30/64, 8P)	AC0305 M3455
VACUUM	AMERICAN VACUUM SOCIETY SYMPOSIUM (IN BOSTON, OCTOBER 16-18, 1963) (TRIP REPORT. R REIMERS. 10/22/63, 1P)	AA0102 M3172
VACUUM	AMERICAN VACUUM SYMPOSIUM, (SEPTEMBER 30 THROUGH OCTOBER 2, 1964) (TRIP REPORT. G EDWARDS. 10/19/64, 3P)	AA0102 M3433
VACUUM	BEVATRON VACUUM ENVELOPE	GROUP BE1800
VACUUM	BOSTON MEETING AMERICAN VACUUM SOCIETY, (OCTOBER 1963) (TRIP REPORT. J HAUGHIAN. 10/29/63, 2P)	AA0102 M3174
VACUUM	BUTYL RUBBER TUBING FOR VACUUM USE (STANDARD SPECIFICATION. J TURNER. 12/26/61, R4/14/64, R7/22/64, 2P)	SPEC. M188
VACUUM	BUTYL RUBBER TUBING EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 4/3/64, 1P UCID 2158)	AA0112 M3294
VACUUM	CALIBRATION OF CVC PHG-90 COLD CATHODE IONIZATION VACUUM GAUGE (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/26/65, 2P)	AA0112 M3484
VACUUM	CAVE VACUUM PREDICTED ROUGHING TIME (88-INCH CYCLOTRON, EXPERIMENTAL EQUIPMENT BEAM TUBES. R PETERS, T HENDERSON. 11/14/63, 7P)	CB0200 M3185
VACUUM	COMPARATIVE STUDY OF VACUUM CHAMBER MATERIALS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. R NICKERSON. 1/2/64, 4P)	AC0801 M3227
VACUUM	CUSTOM VACUUM BELL JAR (J HAUGHIAN. 4/22/63, 13P)	AB0403 M3033
VACUUM	DESIGN OF VACUUM GATE VALVE (BEVATRON, BEAM EXIT, QUADRANT II, 89-DEG AREA. A GLICKSMAN. 8/15/63, 9P)	BE1805 M3272

VACUUM	ESTIMATED PRESSURE-TIME RELATIONSHIP DURING VACUUM PUMPDOWN (ADVANCED ACCELERATOR MAIN VACUUM SYSTEM. F REINATH. 1/15/65, 21P)	AC0800 M3510
VACUUM	ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/10/63, 10P)	AC0800 M3134
VACUUM	ESTIMATING OF MAXIMUM VACUUM PRESSURE (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 3/9/64, 8P UCID 2150)	AC0800 M3281
VACUUM	EVALUATION OF PROPOSED VACUUM PUMPING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM-SYSTEM. F REINATH. 2/24/64 R3/2/64, 3P UCID 2128)	AC0800 M3269A
VACUUM	EVALUATION OF VACUUM EQUIPMENT	GROUP AB0105
VACUUM	EXTENSION VACUUM TANK (BEVATRON BEAM EXIT - QUADRANT II - 89-DEG AREA. A GLICKSMAN. 7/23/63, 4P)	BE1805 M3287
VACUUM	HEATER CURRENT SETTING FOR HASTINGS THERMOCOUPLE VACUUM GAUGE CALIBRATION (G PFAFF. 12/19/63, 2P)	AA0112 M3217
VACUUM	HISTORY OF REPAIRS TO LEAKS IN MAIN VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. J HART. 3/19/64, 6P)	CB0121 M3285
VACUUM	HOSE EVALUATION FOR FORE VACUUM SERVICE (G PFAFF. 10/16/63, 8P UCID 2335)	AA0112 M3162
VACUUM	INVESTIGATION OF PERMATEX NO. 2 SEALING COMPOUND AS VACUUM SEAL (88-INCH CYCLOTRON DEE TANK. D VORKOEPEP. 7/3/64, 2P UCID 2403)	CB0121 M3359
VACUUM	ION VACUUM PUMP CHARACTERISTICS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/14/64, 2P UCID 2183)	RC0103 M3305
VACUUM	J GROOVE DESIGN AND DATA FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/21/63, 4P)	AA0117 M3199A
VACUUM	J GROOVE DESIGN FOR O-RING VACUUM SEALS (J ROSKELLEY. 11/6/63 R12/11/63, 5P)	AA0117 M3175A
VACUUM	M-4 MAGNET VACUUM TUBE STUDY (BEVATRON EXTERNAL PROTON BEAM VACUUM CHANNEL. A WATANABE. 3/28/63, 12P)	BE0803 M3016
VACUUM	MATERIAL AND WALL THICKNESS OPTIMIZATION FOR SIMPLIFIED VACUUM CHAMBER (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. S JOHNSON. 4/3/64 R4/10/64, 6P UCID 2363)	AC0801 M3292A
VACUUM	MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P)	BE1805 M3372
VACUUM	MEASUREMENT OF SPEED OF AN OIL DIFFUSION VACUUM PUMP-SYSTEM ACCORDING TO AVS STANDARDS (G PFAFF. 6/5/64, 19P UCID 2273)	AA0112 M3342
VACUUM	MEASUREMENT ON VACUUM OUTGASSING OF SELF-EXTINGUISHING EPOXY FORMULATIONS (F REINATH. 7/1/64 R7/10/64, 9P)	AA0106 M3357A

VACUUM	MEETING WITH DR. E. FISCHER FROM CERN ON VACUUM PROBLEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 4/7/64, 5P)	AC0800 M3299
VACUUM	NEW VACUUM TANK STRESS CALCULATIONS (72-INCH HYDROGEN BUBBLE CHAMBER. J MYALL. 5/24/63, 9P UCID 1905)	HD0102 M3060
VACUUM	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, PRECISION SCIENTIFIC, MODEL 150, TEST DATA (MECHANICAL ENGINEERING, GENERAL. G PFAFF. 1/7/65, 3P)	AA0112 M3478
VACUUM	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, KINNEY-KC-8 (G PFAFF. 3/4/65, 4P)	AA0112 M3509
VACUUM	OIL-SEALED MECHANICAL VACUUM PUMP PERFORMANCE, CENCO-HYVAC-28 (G PFAFF. 2/8/65, 5P)	AA0112 M3507
VACUUM	PERFORMANCE TEST OF A CHA INDUSTRIES 6 IN HIGH VACUUM PUMPING-SYSTEM (G PFAFF. 8/13/64, 6P UCID 2345)	AA0112 M3389
VACUUM	PRESSURE TEST OF LOWER VACUUM JACKET ASSEMBLY (HYDROGEN SAFETY COMMITTEE. E MCLAUGHLIN. 11/5/64 1P)	AA0300 M3449
VACUUM	PROPERTIES OF SEVERAL EPOXY FORMULAS FOR VACUUM POTTING OF MAGNET COILS (BEVATRON, INJECTOR II. F CORSBY. 4/1/63, 5P)	BE0906 M3022
VACUUM	REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P)	AC0305 M3295
VACUUM	REQUIRED VACUUM PUMP PERFORMANCE FOR MAKING MAGNETS INTERNAL TO VACUUM TANKS (PRELIMINARY STUDY. ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON VACUUM SYSTEM. V KOPYTOFF. 4/7/64, 3P)	AC0305 M3295
VACUUM	RESPONSE OF THERMOCOUPLE AND ION VACUUM GAGES TO GASES OTHER THAN AIR (INORGANIC MATERIALS RESEARCH, METALLURGY CERAMIC, PRATT. H MASECK. 7/18/63, 5P)	RA0204 M3099
VACUUM VACUUM	SEALS, VACUUM, PRESSURE, HYDRAULIC STAINLESS-STEEL HIGH VACUUM GATE VALVES, (SPECIFICATION AND PROCUREMENT OF) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR. REYNOLDS. R REIMERS. 4/17/64, 2P UCID 2206)	GROUP AA0117 RC0103 M3309
VACUUM	THEORY, CALIBRATION, AND OPERATION OF A MCLEOD VACUUM GAUGE	AA0112 M3364A
VACUUM	THERMOCOUPLE VACUUM GAUGE CALIBRATION PROCEDURE (G PFAFF. 12/16/63, 2P)	AA0112 M3210
VACUUM	THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G PFAFF. 12/17/63, 7P)	AA0112 M3212
VACUUM	THERMOCOUPLE VACUUM GAUGE TUBE EVALUATION (G PFAFF. 12/17/63 R1/21/64, 8P)	AA0112 M3212A

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VACUUM	TITANIUM SUBLIMATION VACUUM PUMP (88-INCH CYCLOTRON. D ELO. 1/28/64, 6P)	CB0120 M3255
VACUUM	ULTRA-HIGH VACUUM DESIGN CRITERIA (CHEMISTRY RESEARCH. R REIMERS. 6/19/64 R6/29/64, 1P UCID 2279)	RC0100 M3350A
VACUUM	VACUUM IMPREGNATION OF MAGNET COILS WITH EPON-826, FURANE-D40 FORMULATION (A LAKE. 7/3/63, 3P)	SPEC. M358
VACUUM	VACUUM IMPREGNATION OF MAGNET COILS WITH LRL EPOXY FORMULATION NO. CT2E (J TURNER. 11/8/63, R12/11/63, 5P)	SPEC. M360A
VACUUM	VACUUM PRACTICES, EQUIPMENT, MATERIALS	GROUP AA0112
VACUUM	VACUUM SYSTEM, PRELIMINARY STUDY (ADVANCED ACCELERATOR BOOSTER SYNCHROTRON. V KOPYTOFF. 5/4/64, 2P)	SPEC. M366
VACUUM	VACUUM TEST OF A PARKER JIG-O-SEAL GASKET (R KREVITT. 4/26/63, 2P UCID 1890)	AA0117 M3035
VACUUM	VARIAN VACUUM TECHNOLOGY SEMINAR 1964 (MEETING REPORT. G PFAFF. 4/20/64, 8P UCID 2202)	AA0102 M3310
VACUUM	VESSELS, VACUUM, PRESSURE.	GROUP AA0113
VACUUM	VISIT TO DEUTSCHE ELECTRONEN SYNCHROTRON, DESY, HAMBURG, GERMANY, VACUUM CHAMBER AND PUMPING-SYSTEM (MAY 1963) (TRIP REPORT. F REINATH. 10/11/63, 6P)	AA0102 M3158
VACUUM	VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P)	AC0800 M3412
VACUUM	WORK DONE ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY 1964 (F REINATH. 7/16/64, 4P)	AB0105 M3369
VACUUM	WORK PLANNED ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY 1965 (F REINATH. 8/10/64, 3P)	AB0105 M3385
VACUUM-JACKET	VACUUM-JACKET WINDOWS, ANALYSIS OF LONG RECTANGULAR MEMBRANE WINDOWS (J TANABE. 11/13/63, 8P)	AT0102 M3187
VACUUM-SYSTEM	ADVANCED ACCELERATOR, MAIN VACUUM-SYSTEM	GROUP AC0800
VACUUM-SYSTEM	BOOSTER SYNCHROTRON, MAGNET ENCLOSURE, MAGNET AND VACUUM-SYSTEM, COST ESTIMATE, (SECOND, DECEMBER 14, 1964) (ADVANCED ACCELERATOR STUDY. H HERNANDEZ. 12/21/64, 14P)	AC0300 M3475
VACUUM-SYSTEM	COST ESTIMATE, ZERO ORDER, MAGNET-ENCLOSURE, MAGNET AND VACUUM-SYSTEM (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. H HERNANDEZ. 1/27/64, 12P)	AC0300 M3258
VACUUM-SYSTEM	DEFINITION OF PROBLEMS IN MAIN VACUUM-SYSTEM (ADVANCED ACCELERATOR. F REINATH. 2/17/64, 18P UCID 2127)	AC0800 M3263
VACUUM-SYSTEM	MAIN VACUUM-SYSTEM COST ESTIMATE (ADVANCED ACCELERATOR. F REINATH. R1/24/64 R3/17/64, 8P UCID 2152)	AC0800 M3241B
VACUUM-SYSTEM	MAIN VACUUM-SYSTEM, COMPARISON BETWEEN PRELIMINARY COST ESTIMATES AND CONTRACT BIDS (ADVANCED ACCELERATOR. F REINATH. 3/17/64, 2P)	AC0800 M3284

VALVE	DESIGN OF VACUUM GATE VALVE (BEVATRON, BEAM EXIT, QUADRANT II, 89-DEG AREA. A GLICKSMAN. 8/15/63, 9P)	BE1805 M3272
VALVES	STAINLESS-STEEL HIGH VACUUM GATE VALVES, (SPECIFICATION AND PROCUREMENT OF) (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 4/17/64, 2P UCID 2206)	RC0103 M3309
VAN	VAN BODY (PORTABLE BIOLOGICAL LABORATORY. R FULTON. 4/22/63, R12/16/63, R12/27/64, 5P)	SPEC. M350B
VANADIUM	VANADIUM PERMENDUR MAGNET POLE TIPS (ADVANCED ACCELERATOR, MAIN RING. R KILPATRICK. 10/22/63, 2P)	AC0502 M3170
VARIAN	VARIAN VACUUM TECHNOLOGY SEMINAR 1964 (MEETING REPORT. G PFAFF. 4/20/64, 8P UCID 2202)	AA0102 M3310
VARIAN-ASSOCIATES	VISIT TO VARIAN-ASSOCIATES ON SPUTTER-ION VACUUM PUMPS AND SORPTION ROUGHING-SYSTEMS (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. F REINATH. 9/25/64, 2P)	AC0800 M3412
VELLUM	TRACING VELLUM TESTS FOR ACCEPTABILITY (P BEAN. 1/20/65, 2P)	SPEC. M377
VELOCITY	PARALLEL-PLATE VELOCITY SPECTROMETERS, CLEANING AND POLISHING PROCEDURE FOR PARTS (BEVATRON, G EDWARDS. 7/17/64, R12/21/64, 3P)	BE0708 M3368A
VELOCITY	VELOCITY SPECTROMETERS MARK V, GLASS CATHODES (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 4/30/63 R6/21/63 R1/5/65, 2P)	SPEC. M351B
VELOCITY	VELOCITY SPECTROMETER ELECTRIC AND MAGNETIC FIELD FORMULAE (BEVATRON. R WATT. 4/10/63, 4P)	BE0708 M3024
VELOCITY	VELOCITY SPECTROMETERS, 10-FOOT MAGNET (MARK V, 4-IN X 12-IN) (BEVATRON. H HERNANDEZ. 7/16/63, 18P)	BE0708 M3102
VELOCITY	VELOCITY SPECTROMETER (MARK V, 4-IN X 12-IN X 10-FT) GLASS CATHODE PLATES, DESIGN OF FORM FOR SLUMPING (BENDING) (BEVATRON EXPERIMENTAL FACILITIES. G EDWARDS. 12/22/64, 3P)	BE0708 M3472
VESSEL	DIAGNOSTIC INSTRUMENT PACKAGE USING STEEL VESSEL, PRELIMINARY INVESTIGATION (R MEUSER. 3/28/63, 11P)	AB0402 M3021
VESSEL	PRESSURE TEST OF INSTRUMENT AIR FILTER VESSEL FOR USE WITH SCANNING MEASURING-PROJECTOR (C MACDONALD. 7/17/63, 1P)	AA0113 M3110
VESSEL	SHIM DRAWING OF THIN PRESSURE VESSEL 6-IN DIA. X .005-IN THICK TORISPHERICAL 5052 ALUMINUM ALLOY HEADS (W POPE, F VALLEDON. 1/14/64, 13P)	AT0102 M3235
VESSELS	BUDYANT STEEL VESSELS UNDER EXTERNAL PRESSURE, SPHERICAL AND CYLINDRICAL, DESIGN CURVES AND FORMULAS (R MEUSER. 3/26/63, 7P)	AA0113 M3011
VESSELS	VESSELS, VACUUM, PRESSURE.	GROUP AA0113

VIBRATION	BEAM SCANNING SLITS, DRIVE SHAFT VIBRATION (BEVATRON INJECTOR II, INFLECTOR SECTION. S JOHNSON. 2/20/63, 4P)	BE0907 M3005
VIBRATION	NUCLEAR DEMAGNETIZATION CRYOSTAT VIBRATION ISOLATION AND APPLICATION OF AIR MOUNTS (INORGANIC MATERIALS RESEARCH, PHILLIPS, LOW-TEMPERATURE PROPERTIES OF MATERIALS. G. BEHRING, H MASECK. 9/16/63, 23P UCID 1988)	RA0203 M3147
VIBRATION	PRELIMINARY ESTIMATE OF STRESS, DEFLECTION, AND VIBRATION FREQUENCY FOR 100-FT AND 200-FT BEAMS (ADVANCED ACCELERATOR, RING MAGNET SUPPORT BEAMS. W. SALSIG. 11/1/63, 4P)	AC0404 M3229
VIBRATION	REDUCTION OF VIBRATION CAUSED BY MG SET (BEVATRON INJECTOR II ION GUN HIGH-VOLTAGE TERMINAL. W. EATON. 4/12/63, 3P)	BE0903 M3028
VIBRATION	RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M. GREEN. 4/29/64 R5/8/64 R2/17/65, 11P UCID 2450)	AC0304 M33228
VIBRATION	RF-SYSTEM, VIBRATION IN THE MECHANICAL TUNING PLUNGER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. M. GREEN. 4/29/64 R5/8/64, 11P)	AC0304 M3322
VISIBILITY	MACHINE INSTALLATION, VISIBILITY OF MACHINE COMPONENTS (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. F. BUCHTEL. 5/9/63, 3P)	RC0103 M3049
VISITS	VISITS TO PHELPS-DODGE, REVERE COPPER, ANACONDA AMERICAN BRASS AND GENERAL-ELECTRIC COMPANIES ON MAGNET CONDUCTOR (R. FREY. 6/13/63, 8P)	AA0114 M3079
VISUAL	DESIGN AND DRAFTING FACILITIES AND SYSTEMS AT THE INTERNATIONAL VISUAL COMMUNICATIONS CONGRESS (TRIP REPORT. P. BEAN. 12/20/64, 3P)	AA0102 M3515
VISUAL	MINNESOTA-MINING-CORP. MICROFORUM AND VISUAL COMMUNICATIONS CONFERENCE, ENGINEERING DOCUMENTS PRODUCTION, REPRODUCTION, DISSEMINATION, STORAGE AND RETRIEVAL (TRIP REPORT. P. BEAN. 10/12/64, 3P UCID 2424)	AA0102 M3421
VOLUME	TESTING OF GLASS FOR VOLUME RESISTIVITY AS A FUNCTION OF TEMPERATURE (BEVATRON VELOCITY SPECTROMETERS. D. IJAMS. 5/4/64 R7/28/64, 6P UCID 2372)	BE0708 M3324A
WALL	MATERIAL AND WALL THICKNESS OPTIMIZATION FOR SIMPLIFIED VACUUM CHAMBER (ADVANCED ACCELERATOR, MAIN VACUUM SYSTEM. S. JOHNSON. 4/3/64 R4/10/64, 6P UCID 2363)	AC0801 M3292A
WALL	TEMPERATURE DIFFERENCE BETWEEN THE COOLING WATER AND THE INSIDE OF THE TANK WALL (HEAVY ION ACCELERATOR. J. SATTI. 12/11/64, 21P)	LA0107 M3466

WALL	WATER COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P)	CB0125 M3213
WATER	A NEW TYPE WATER FLOW SWITCH AND INDICATOR (W. EATON, F. CROSBY. 6/15/64, 3P)	AB0101 M3340
WATER	AN APPRAISAL OF WATER COOLING HOSES (BEVATRON. S WASILIK. 12/4/63 33P)	BE0705 M3208
WATER	COOLING OF FERRITE IN RF CAVITIES BY WATER (ADVANCED ACCELERATOR, BOOSTER SYNCHROTRON. R WOLGAST. 6/19/64, 12P)	AC0304 M3348
WATER	COOLING WATER FLOW REQUIREMENTS FOR TUNING LOOPS (HEAVY ION ACCELERATOR, 100-PCT-DUTY-FACTOR-OPERATION. E HOYER. 7/16/63, 2P)	LA0105 M3097
WATER	COOLING WATER FLOW TEST ON AN OPEN SURFACE OF A 10-FT DIAMETER HORIZONTAL TANK (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 4P)	LA0107 M3463
WATER	COOLING WATER FLOW ANALYSIS OF POST-STRIPPER TANK (HEAVY ION ACCELERATOR. J. SATTI. 12/14/64, 17P)	LA0107 M3464
WATER	ELECTRICAL CONDUCTIVITY VERSUS SIZE OF MAGNET COOLING WATER HOSES (BEVATRON. J ROSKELLEY. 2/4/64, 3P)	BE0705 M3256
WATER	HEAT LOADS AND COOLING WATER REQUIREMENTS (HEAVY ION ACCELERATOR PRE AND POST STRIPPER COOLING. R BYRNS. 7/24/64, 2P)	LA0107 M3417
WATER	INVESTIGATION OF PLASTIC EMBEDMENT RESIN COMPOSITIONS FOR MAGNET COILS CONSTRUCTED OF WATER COOLED CONDUCTOR. (PROGRESS REPORT) (J TURNER. 4/15/64, 14P UCID 2185)	AB0108 M3306
WATER	MODELING A WATER FLOW ROTAMETER FOR LIQUID FREON SERVICE (CHEMISTRY RESEARCH, BETA AND GAMMA RAY SPECTROSCOPY. S JOHNSON. 7/12/63, 3P)	RC0101 M3096
WATER	ONE-HALF INCH WATER FLOW SWITCH (HEAVY ION ACCELERATOR, 88-INCH CYCLOTRON. E HOYER. 11/20/63, 6P)	LA0102 M3189
WATER	PREFERRED MAGNET WATER HOSE ASSEMBLY (R BURLEIGH. 5/15/63, 2P. UCID 2331)	AA0114 M3047
WATER	STRESS ANALYSIS OF POST-STRIPPER TANK WITH THE NEW WATER JACKET COOLING-SYSTEM (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 31P)	LA0107 M3465
WATER	TEMPERATURE DIFFERENCE BETWEEN THE COOLING WATER AND THE INSIDE OF THE TANK WALL (HEAVY ION ACCELERATOR. J SATTI. 12/11/64, 21P)	LA0107 M3466
WATER	TEMPERATURE DISTRIBUTION IN A WATER COOLED HOLLOW CONDUCTOR (R SCHWARZ. 9/10/63, 9P)	AA0123 M3130
WATER	WATER COOLED COPPER SEPTUM, WALL THICKNESS MEASURING DEVICE (88-INCH CYCLOTRON DEFLECTOR. R PETERS. 12/11/63, 3P)	CB0125 M3213

WATER-SYSTEM	ADJUSTMENTS AND ALTERATIONS TO THE TOWER-4 LOW-CONDUCTIVITY WATER-SYSTEM AND LOADS (BEVATRON. W EATON. 8/2/63, 3P)	BE0104 M3112
WATER-SYSTEM	CONTROLLED-TEMPERATURE WATER-SYSTEM CALIBRATION DATA (BEVATRON INJECTOR II. S JOHNSON. 2/21/63, 3P)	BE0905 M3006
WAVEGUIDE	ACCELERATING WAVEGUIDE FABRICATION (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R MEUSER. 12/3/63, 3P)	AC0200 M3202
WAVEGUIDE	ACCELERATING WAVEGUIDE COSTS (ADVANCED ACCELERATOR, AGS LINAC INJECTOR. R MEUSER. 6/12/64, 1P)	AC0200 M3341
WEATHERHEAD	DESIGN FOR HOSE BARBS FOR 1/4-IN. I.D. WEATHERHEAD H-9 HOSE (PROPOSED) (BEVATRON. S WASILIK. 3/12/64, 3P)	BE0705 M3293
WEATHERHEAD	WEATHERHEAD H-9 HOSE AND BARB VARIATIONS TO ALLOW EASY ASSEMBLY AND LEAK TIGHTNESS (HEAVY ION ACCELERATOR. R PARSONS. 3/10/64, 1P)	LA0102 M3280
WELDED	BURST TESTS OF ELECTRON-BEAM WELDED 5052 ALUMINUM FOIL HEMISPHERES (W. POPE. 1/20/64, 5P)	AT0102 M3252
WELDING	WELDING, BRAZING, SOLDERING.	GROUP AA0121
WESCON	VISIT TO 1964 WESCON AT LOS ANGELES (TRIP REPORT. S JOHNSON. 8/26/64, 1P)	AA0102 M3396
WESCON	WESCON SHOW, 1964 (TRIP REPORT. R REIMERS. 8/27/64, 1P)	AA0102 M3397
WESGO	WESGO, LITTON-IND. AND EIMAC ON CERAMICS AND CERAMIC-TO-METAL BRAZING (CONSULTATION TRIP. ADVANCED ACCELERATOR, INJECTOR SYNCHROTON VACUUM SYSTEM. G BEHRING. 2/19/65, 4P)	AC0305 M3503
WESTERN-GOLD-AND-PL	CONSULTATION TRIP TO WESTERN-GOLD-AND-PLATINUM-COMPANY ON ALUMINA PART DESIGN AND PRODUCTION (CHEMISTRY RESEARCH, CASCADE ISOTOPE SEPARATOR, REYNOLDS. R REIMERS. 12/6/63, 2P)	RC0103 M3204
WHOLE-BODY	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 4/1/63, 13P)	RB0101 M3029
WHOLE-BODY	WHOLE-BODY RADIOISOTOPE UPTAKE SCANNER, OPTICAL-SYSTEM (BIOLOGY AND MEDICINE RESEARCH, INSTRUMENTATION FOR MEDICAL PHYSICS. A BABIN. 1/4/64, 3P)	RB0101 M3231
WHOLE-BODY	WHOLE-BODY SCANNER MARK-II (BIOLOGY AND MEDICINE RESEARCH MEDICAL ACCELERATOR STUDY. R UPHAM, N YANNI. 10/1/64, 2P)	RB0101 M3413
WINDING	GAP-MOUNTED FLIP-TARGET (MK VIII-T) LONG COIL WINDING INSTRUCTIONS (BEVATRON. D STONE, D VANECEK. 8/22/63 R9/19/63, 4P)	BE0702 M3123A
WINDING	GAP-MOUNTED FLIP-TARGET (MK VIII-T) SHORT COIL WINDING INSTRUCTIONS (BEVATRON. K STONE, D VANECEK. 9/13/63, 3P)	BE0702 M3136

WINDING	MAGNET COIL END WINDING SUPPORTS, OUTER RADIUS REVISION FOR BEAM EXIT (BEVATRON, EXIT QUAD II AND III. A GLICKSMAN. 3/19/56. ISSUED 6/25/63, 54P)	BE1305 M3089
WINDOWS	MEASUREMENT OF PHYSICAL AND OPTICAL PROPERTIES OF IRRADIATED PLASTIC AND LAMINATED GLASS VACUUM WINDOWS (BEVATRON. A LAKE. 7/15/64, 11P)	BE1805 M3372
WINDOWS	STRESS CALCULATIONS, BUBBLE-CHAMBER BODY AND WINDOWS (25-INCH BUBBLE CHAMBER. J MYALL. 9/18/63, 49P UCID 2071)	HE0103 M3232
WINDOWS	VACUUM-JACKET WINDOWS, ANALYSIS OF LONG RECTANGULAR MEMBRANE WINDOWS (J TANABE. 11/13/63, 8P)	AT0102 M3187
WINDOWS	VACUUM-JACKET WINDOWS, ANALYSIS OF LONG RECTANGULAR MEMBRANE WINDOWS (J TANABE. 11/13/63, 8P)	AT0102 M3187
WIRE	SUPERCONDUCTING SOLENOID, HEATING OF COPPER CLAD WIRE IN UNPROTECTED COIL GOING NORMAL (CHEMISTRY RESEARCH SHIRLEY, LOW TEMPERATURE NUCLEAR ALIGNMENT DEWAR. R HINTZ. 1/11/65, 20P UCID 2446)	RC0102 M3479
WORK	MECHANICAL ENGINEERING WORK (ADVANCED ACCELERATOR. H GORDON. 12/19/63, 15P)	AC0101 M3216
WORK	SUMMARY OF MECHANICAL ENGINEERING WORK FOR THE BEVATRON (PERIOD OF OCTOBER 1, 1963 TO OCTOBER 3, 1964) (K LOU. 12/11/64, 7P)	BE0601 M3467
WORK	WORK DONE ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY 1964 (F REINATH. 7/16/64, 4P)	AB0105 M3369
WORK	WORK FOR SLAC	GROUP AA0901
WORK	WORK PLANNED ON VACUUM EQUIPMENT EVALUATION AND STANDARDIZATION FY 1965 (F REINATH. 8/10/64, 3P)	AB0105 M3385
WORK	WORK SHEET FOR SOLVING A CUBIC-EQUATION (R SCHWARZ. 3/21/63, 1P)	AA0123 M3009
WORKSHOP	WORKSHOP ON TECHNICAL WRITING (NOVEMBER 20/21, 1963, UNIV. OF CALIF. EXTENSION CENTER) (MEETING REPORT. H HERNANDEZ. 12/2/63, 4P)	AA0102 M3201
WRITING	UNIVERSITY OF CALIFORNIA TECHNICAL WRITING SEMINAR (MEETING REPORT. V ROMANO. 12/5/63 R10/28/64, 9P)	AA0102 M3205A
WRITING	WORKSHOP ON TECHNICAL WRITING (NOVEMBER 20/21, 1963, UNIV. OF CALIF. EXTENSION CENTER) (MEETING REPORT. H HERNANDEZ. 12/2/63, 4P)	AA0102 M3201
X-RAY	MESIC X-RAY, GAMMA RAY SPECTROMETER COLLIMATOR ALIGNMENT, OPTICAL (PHYSICS RESEARCH, CROWE GROUP. J SCHOLES, A VIEGELMAN. 9/21/64 2P UCID 2420)	RP0104 M3443
YEARLY	YEARLY DEFLECTION INCREASE DUE TO CREEP AND SHRINKAGE FOR 1 AND 2 CELL BEAMS (TROXELL, RAPHAEL, DAVIS CRITERIA) (ADVANCED ACCELERATOR, MAIN MAGNET RING STRUCTURE, MAGNET SUPPORT BEAMS. W SALSIG. 4/25/64, 3P)	AC0404 M3321

YOKE	AUXILIARY MAGNET M4, DESIGN OF YOKE LAMINATION BOLTS (BEVATRON EXTERNAL PROTON BEAM, A LAKE, 7/23/63, 15P UCID 2333)	BE0804 M3103
YOKE	MAGNET YOKE FABRICATION, (PRELIMINARY DISCUSSION) (ADVANCED ACCELERATOR, ALTERNATING GRADIENT RING MAGNETS, R KILPATRICK, 11/16/64, 12P)	AC0501 M3453
ZAPON	THE PRODUCTION OF THIN ORGANIC FILMS OF ZAPON (D O CONNELL, 5/3/63, 4P)	AA0503 M3104
ZGS	TOUR OF COMPUTER INSTALLATION AT ZGS SYNCHROTRON, ARGONNE NATIONAL LABORATORY (TRIP REPORT, S JOHNSON, 7/27/64, 1P)	AA0102 M3373
ZINC	APPLICATION OF METCO-110 FLAMESPRAYED METALLIC ZINC PROTECTIVE COATING (HEAVY ION ACCELERATOR, R BYRNS, 12/3/64, 2P)	SPEC. M373

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