

ENTRY NO. CU86 Date
 Cyclotron Model Scanditronix MC-16F
 Institution Johns Hopkins University
 Address Nuclear Medicine
 Tel 410-955-2916 Telex
 Fax 410-955-0691 EMAIL
 In Charge: R. F. Dannals Reported by: R. F. Dannals

HISTORY
 MILESTONE DATES:
 Installation 2/82 First Beam 4/82
 DESIGN/CONSTRUCTION BY: Scanditronix
 COST: Accelerator \$1 M Facility
 FUNDED BY: NINDS

STATUS
 STAFF: Operators 3 Technicians
 BUDGET: Machine \$1 M Funded by NIH
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Research - PET 95. %
 (b) Maintenance 5. %
 (c) %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

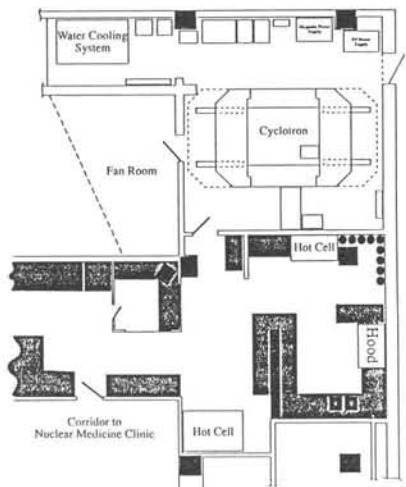
Accelerated Ions	E/A (MeV/u)	Current(part μ A)	
		Internal	External
(a) Proton	16	75	50
(b) Deuteron	8	75	50

1991 μ A-hours on target: 780

FACILITIES
 SHIELDED AREA: Fixed 4 m² Moveable 10 m²
 Target Stations: 4 No. Served At Same Time: 1
 OTHER FACILITIES:

REFERENCES/NOTES
 (a)
 (b)

PLAN VIEW OF FACILITY, COMMENTS



ENTRY NO. CU88 Date June 1992
 Cyclotron Model JSW 1710
 Institution NIH Clinical Center
 Address Bldg. 10, Rm. 1C401, Bethesda, MD 20892
 Tel (301) 496-0345 Telex 89422
 Fax (301) 496-0114 EMAIL PAUL@NMDHST.CC.NIH.GOV
 In Charge: W. C. Eckelman Reported by: P. S. Plasciak

HISTORY
 MILESTONE DATES:
 Installation June 1985 First Beam September 1985
 DESIGN/CONSTRUCTION BY: Japan Steel Works Ltd.
 COST: Accelerator Facility
 FUNDED BY: National Institutes of Health

STATUS
 STAFF: Operators 3 Technicians
 BUDGET: Machine \$100K Funded by NIH
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Isotope Production 85. %
 (b) Research & Development 10. %
 (c) Maintenance 5. %
 (d) %
 (e) %

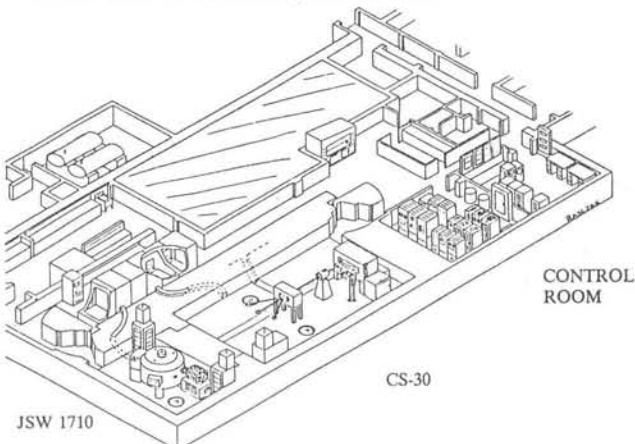
CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current(part μ A)	
		Internal	External
(a) H+	17		50
(b) d+	10		50

1991 μ A-hours on target: 15000

FACILITIES
 SHIELDED AREA: Fixed 34 m² Moveable 6 m²
 Target Stations: 1 No. Served At Same Time: 1
 OTHER FACILITIES:
 Target Changer
 Hot Cells

REFERENCES/NOTES
 (a) The Operational Status of the National Institutes
 of Health Cyclotron Complex, P. Plasciak, et al.,
 Eleventh Int. Conf. on Cyclotrons and Applications,
 Ionics Publ., Tokyo (1987).
PLAN VIEW OF FACILITY, COMMENTS



NIH CYCLOTRON FACILITY B3 LEVEL