

ENTRY NO. CU89 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 \$1M Facility  
 FUNDED BY: NINDS

**STATUS**

STAFF: Operators 3 Technicians  
 BUDGET: Machine \$1M 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 $\mu$ A)	
		Internal	External
(a) Proton	16	75	50
(b) Deuteron	8	75	50

1991  $\mu$ A-hours on target: 780

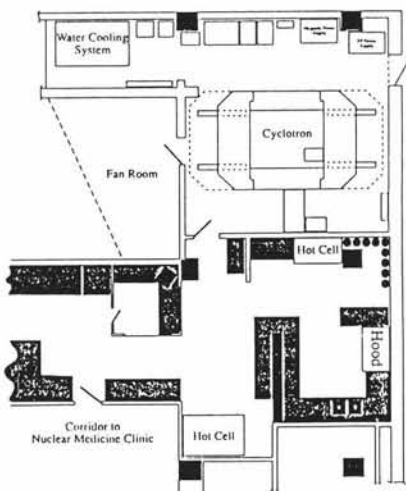
**FACILITIES**

SHIELDED AREA: Fixed m<sup>2</sup> Moveable 10 m<sup>2</sup>  
 Target Stations: 4 No. Served At Same Time: 1  
 OTHER FACILITIES:

**REFERENCES/NOTES**

- (a)
- (b)

**PLAN VIEW OF FACILITY, COMMENTS**



ENTRY NO. CU91 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 $\mu$ A)	
		Internal	External
(a) H+	17	75	50
(b) d+	10	75	50

1991  $\mu$ A-hours on target: 15000

**FACILITIES**

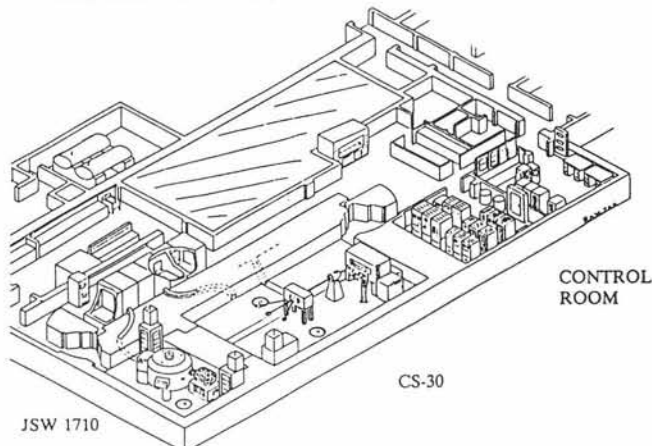
SHIELDED AREA: Fixed 34 m<sup>2</sup> Moveable 6 m<sup>2</sup>  
 Target Stations: 1 No. Served At Same Time: 1  
 OTHER FACILITIES:

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