

ENTRY NO. CU89 Date June 1992  
 Cyclotron Model TCC CS-30  
 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. Plascjak

**HISTORY**  
 MILESTONE DATES:  
 Installation June 1985 First Beam Nov. 1985  
 DESIGN/CONSTRUCTION BY: The Cyclotron Corporation  
 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 75 %  
 (b) Research & Development 20 %  
 (c) Maintenance 5 %  
 (d) %  
 (e) %

**CHARACTERISTIC BEAMS**

Accelerated Ions	E/A (MeV/u)	Current(part $\mu$ A)	
		Internal	External
(a) H+	26.5	200	60
(b) d+, 3-He+, 4-He+			

1991  $\mu$ A-hours on target: 8500

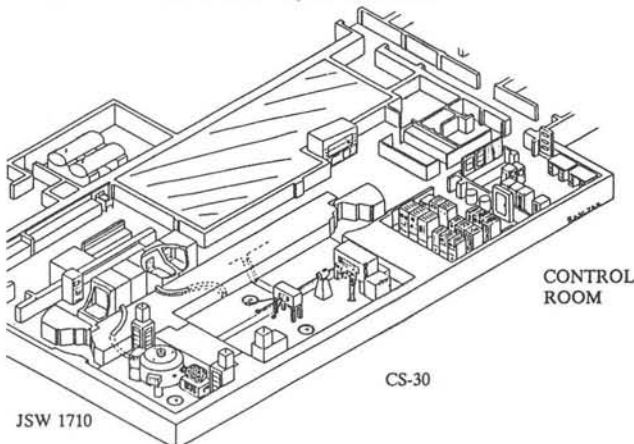
**FACILITIES**

SHIELDED AREA: Fixed 90 m<sup>2</sup> Moveable 6 m<sup>2</sup>  
 Target Stations: 7 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. Plascjak, et al, Eleventh Int. Conf. on Cyclotrons and Applications, Ionics Publ. Tokyo (1987).
- (b)

**PLAN VIEW OF FACILITY, COMMENTS**



NIH CYCLOTRON FACILITY B3 LEVEL

ENTRY NO. CU90 Date  
 Cyclotron Model NEN Cyclotron 1  
 Institution DuPont Merck Pharmaceutical Co.  
 Address 331 Treble Cove Rd. Billerica, MA 01862  
 Tel (508) 671-8012 Telex  
 Fax EMAIL  
 In Charge: Peter Holton Reported by: Frank Buck

**HISTORY**  
 MILESTONE DATES:  
 Installation 3/70 First Beam 7/70  
 DESIGN/CONSTRUCTION BY: Cyclotron Corp. CS-22  
 COST: Accelerator Facility  
 FUNDED BY: E.I. DuPont

**STATUS**  
 STAFF: Operators Technicians  
 BUDGET: Machine Funded by  
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)  
 (a) Isotope Production 100 %  
 (b) %  
 (c) %  
 (d) %  
 (e) %

**CHARACTERISTIC BEAMS**

Accelerated Ions	E/A (MeV/u)	Current(part $\mu$ A)	
		Internal	External
(a) Protons	22	200	
(b)			

1991  $\mu$ A-hours on target:

**FACILITIES**

SHIELDED AREA: Fixed 60 m<sup>2</sup> Moveable m<sup>2</sup>  
 Target Stations: 1 No. Served At Same Time:  
 OTHER FACILITIES:

**REFERENCES/NOTES**

- (a)
- (b)

**PLAN VIEW OF FACILITY, COMMENTS**