

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 μ A)	
		Internal	External
(a) Proton	16	75	50
(b) Deuteron	8	75	50

1991 μ A-hours on target: 780

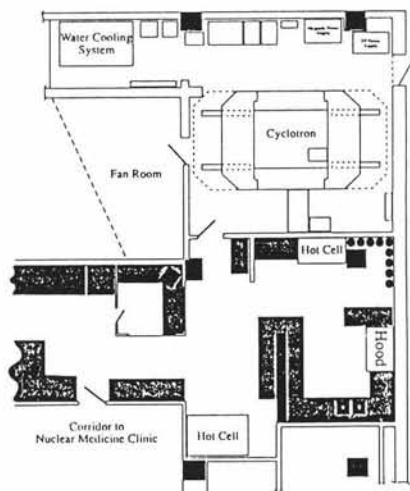
FACILITIES

SHIELDED AREA: Fixed 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. 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 μ A)	
		Internal	External
(a) H ⁺	17		50
(b) d ⁺	10		50

1991 μ A-hours on target: 15000

FACILITIES

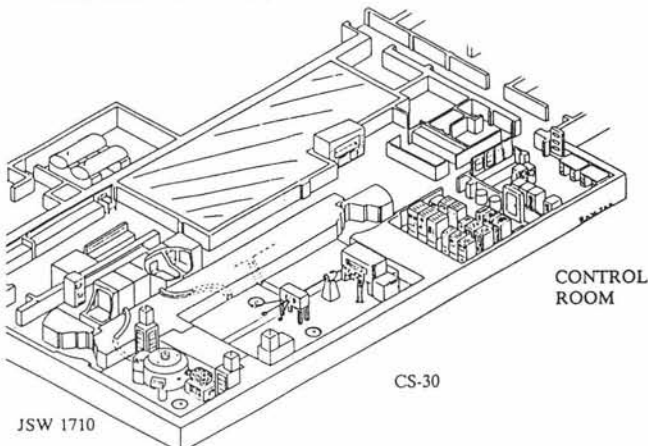
SHIELDED AREA: Fixed 34 m² Moveable 6 m²
Target Stations: 1 No. Served At Same Time: 1
OTHER FACILITIES:

Target Changer
Hot Cells

REFERENCES/NOTES

(a) The Operational Status of the National Institutes
(b) 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