

ENTRY NO. CU57 Date
 Cyclotron Model Cyclone 30 (30.2)
 Institution Nihon Medi-Physics Co., Ltd. Hyogo Facility
 Address 9-1, Techno Park, Sanda City, Hyogo, 669-13, JAPAN
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 In Charge: Y. Mori Reported by: Y. Mori

HISTORY
MILESTONE DATES:
 Installation May 90 - Dec. 90 First Beam Aug. 90
 DESIGN/CONSTRUCTION BY: Ion Beam Applications
 COST: Accelerator Facility \$100M
 FUNDED BY: Own company

STATUS
 STAFF: Operators Technicians 19
 BUDGET: Machine Funded by
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Isotope Production 85 %
 (b) Maintenance 10 %
 (c) Development 5 %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

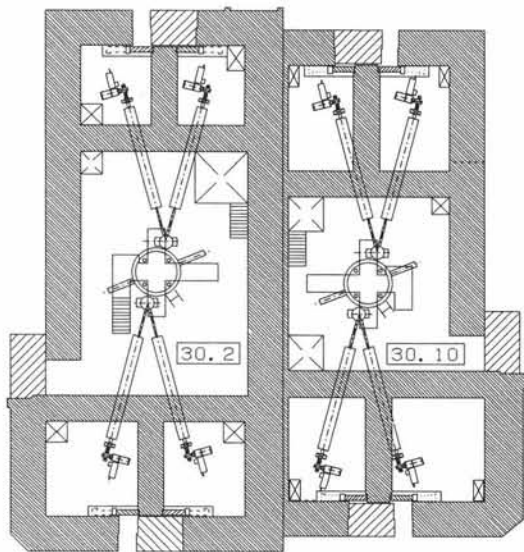
Accelerated Ions	E/A (MeV/u)	Internal	External
(a) H ⁻	15-30	350 H ⁻	350 H ⁻
(b)

1994 μ A-hours on target: 1.2×10^6

FACILITIES
 SHIELDED AREA: Fixed: 220 m² Moveable m²
 Target Stations: 4 No. Served At Same Time: 2
 OTHER FACILITIES: Production Area of Radiopharmaceuticals

REFERENCES/NOTES
 (a)
 (b)

PLAN VIEW OF FACILITY, COMMENTS



ENTRY NO. CU58 Date September 1995
 Cyclotron Model Tohoku University Cyclotron 680
 Institution Cyclotron and Radioisotope Center, Tohoku University
 Address Aramaki-Aoba, 980 Sendai, Japan
 Tel +81-(0)22-217-7800 Telex
 Fax +81-(0)22-263-9220 E-MAIL Shino@cycnpl.cyric.tohoku.ac.jp
 In Charge: M. Fujioka Reported by: T. Shinozuka

HISTORY
MILESTONE DATES:
 Installation 1975-1977 First Beam December, 1977
 DESIGN/CONSTRUCTION BY: CGR-MeV and Sumitomo
 COST: Accelerator Facility 14×10^6
 FUNDED BY: Japan Ministry of Education

STATUS
 STAFF: Operators 4 Scientists 5
 BUDGET: Machine 0.3×10^6 Funded by Japan Ministry of Education
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Basic research for Physics 50 %
 (b) Basic research for Medical Application and others 40 %
 (c) Maintenance 10 %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Internal	External
(a) P(d)	3(5)-40(25)	100
(b) ¹⁴ N	50 - 84	1

1994 μ A-hours on target: 1×10^5

FACILITIES
 SHIELDED AREA: Fixed: 800 m² Moveable m²
 Target Stations: 10 No. Served At Same Time: 1
 OTHER FACILITIES: Isotope Production, tomograph, neutron TDF, on-line mass separator, beam chopper

REFERENCES/NOTES
 (a) S. Morita et al., IEEE Trans.N.S., NS-26 (1979)1930
 (b) T. Shinozuka et al., Proc. Cys. Cont., (Caen)(1981)117

PLAN VIEW OF FACILITY, COMMENTS

