

Entry: **CU60** Date: July 1998
 Machine Name: Cyclone 30.2
 Cyclotron Model:
 Institution: Nihon Medi-Physics Co, LTD, Hyogo Facility
 Address: Techno Park, Sanda City, Hyogo Pref. 669-1339
 Tel: 81-795-68-4771 Japan
 Fax: 81-795-68-3071 Web:
 E-mail:
 In Charge: Shigeaki KATAOKA Manager of Techn. Sect. 1.

HISTORY

Installation: 1990 First Beam: 1990
 Design/Construction by: IBA
 Funded by: Nihon Medi-Physics Co. LTD

USES

Radioisotope production.....90 %
 Maintenance.....5 %
 Developments.....5 %
 %
 %
 Total time:6300 h/year

CHARACTERISTIC BEAMS

Ions/energy/current:
 H- / 16-30 MeV / 360 μ A (dual beam)

EXPERIMENTAL FACILITIES

REFERENCES

PLAN VIEW OF FACILITY

COMMENTS

ENTRY NO. **CU61** 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@cycenpl.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 of Education
 COST: Accelerator Facility 14 x 10⁶
 FUNDED BY: Japan Ministry of Education

STATUS

STAFF: Operators 4 Scientists Technicians 5
 BUDGET: Machine 0.3 x 10⁶ Funded by Japan Ministry of Education Others
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Basic research for Physics 50 %
 (b) Basic research for Medical Application and 40 %
 (c) Maintenance Others 10 %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

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

1994 μ A-hours on target: 1 x 10⁵

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

