

ENTRY NO. CU45 Date Sep. 1995
Cyclotron Model AVF 930
Institution National Institute of Radiological Sciences
Address 9-1, Anagawa-4-chome, Inage-ku, Chiba-shi 263 Japan
Tel 043 (251) 2111 Telex 3722205 NIRS J
Fax 043 (251) 7979 E-MAIL
In Charge: S. Yamada Reported by: T. Yamada

HISTORY

MILESTONE DATES:

Installation 1972-1973 First Beam Dec. 1973
DESIGN/CONSTRUCTION BY: CGR-MeV (Thomson-CSF)
COST: Accelerator Facility
FUNDED BY: Science and Technology Agency

STATUS

STAFF: Operators 2 Technicians 2
BUDGET: Machine Funded by
TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
(a) Radiotherapies 45 %
(b) Isotope Production 14 %
(c) Nuclear Medical Diagnosis, others 20 %
(d) Maintenance 21 %
(e) %

CHARACTERISTIC BEAMS

	11345	Current (part μ A)
Accelerated Ions	E/A (MeV/u)	Internal External
(a) p	8-89	20
(b) d	6-27	40

1994 μ A-hours on target:

FACILITIES

SHIELDED AREA: Fixed: 376 m² Moveable m²
Target Stations: 8 No. Served At Same Time:
OTHER FACILITIES:
(1) Cyclotron Radiotherapies Facility
(2) Radiopharmaceuticals Production Facility
(3) Nuclear Medical Diagnosis Facility

REFERENCES/NOTES

- (a) T. Yamada et al. Proc. 11th Int. Conf. on Cyclo. 61
(b) T. Yamada et al. Proc. 12th Int. Conf. on cyclo. 106

PLAN VIEW OF FACILITY, COMMENTS

ENTRY NO. CU46 Date Sep. 1995
Cyclotron Model CYPRIS HM-18
Institution National Institute of Radiological Sciences
Address 9-1, Anagawa-4-chome, Inage-ku, Chiba-shi 263 Japan
Tel 043 (251) 2111 Telex 3722205 NIRS J
Fax 043 (251) 7979 E-MAIL
In Charge: S. Yamada Reported by: T. Yamada

HISTORY

MILESTONE DATES:

Installation 1993-1994 First Beam Mar. 1994
DESIGN/CONSTRUCTION BY: Sumitomo Heavy Industries, Ltd
COST: Accelerator Facility
FUNDED BY: Science and Technology Agency

STATUS

STAFF: Operators 1 Technicians
BUDGET: Machine Funded by
TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
(a) Isotope Production 85 %
(b) Maintenance 15 %
(c) %
(d) %
(e) %

CHARACTERISTIC BEAMS

	Current (part μ A)
Accelerated Ions	E/A (MeV/u) Internal External
(a) p	18 70
(b) d	4.5 50

1994 μ A-hours on target: 6181 μ A-hours

FACILITIES

SHIELDED AREA: Fixed: 75 m² Moveable m²
Target Stations: 3 No. Served At Same Time:
OTHER FACILITIES:
Radiopharmaceuticals Production Facility

REFERENCES/NOTES

- (a)
(b)

PLAN VIEW OF FACILITY, COMMENTS