

ENTRY NO. CU20 Date October, 8, 1995
 Cyclotron Model Scanditronix MC 32 N1
 Institution Rigshospitalet
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 In Charge: MIKAEL JENSEN Reported by: MIKAEL JENSEN

HISTORY

MILESTONE DATES:
 Installation 1991 First Beam 1992
 DESIGN/CONSTRUCTION BY: Scanditronix
 COST: Accelerator \$3 Mill (U.S.) Facility \$2 Mill (U.S.)
 FUNDED BY: J B Meyer Foundation

STATUS

STAFF: Operators 2 Technicians 2
 BUDGET: Machine Funded by
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Isotope production 95 %
 (b) Maintenance 5 %
 (c) %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current (part μ A)	
		Internal	External
(a) H^-	32	100	100
(b) d^-	8	100	100
(c) α^{++}	32	80	---

1994 μ A-hours on target: ---

FACILITIES

SHIELDED AREA: Fixed: m² Moveable m²
 Target Stations: 2 No. Served At Same Time: 2
 OTHER FACILITIES:

REFERENCES/NOTES

(a)
 (b)

PLAN VIEW OF FACILITY, COMMENTS

ENTRY NO. CU21 Date October 5, 1995
 Cyclotron Model MGC-20
 Institution Accelerator Laboratory, Abo Akademi University
 Address Porthansg. 3, FIN-20500 Turku, Finland
 Tel +358 21 2654 311 Telex 62301 aabib fi
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 In Charge: S-J. Heselius Reported by: S-J. Heselius

HISTORY

MILESTONE DATES:
 Installation Dec. 73 - Oct. 74 First Beam July 1974
 DESIGN/CONSTRUCTION BY: D. V. Efremov Institute
 COST: Accelerator Facility 4 MFIM
 FUNDED BY: Finnish Government

STATUS

STAFF: Operators Technicians 2 eng + 1 techn
 BUDGET: Machine 0.8 MFIM Funded by univ. & extern.
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) PET Radionuclide Production 40 %
 (b) PET Radionuclide & Radiochemistry Research 30 %
 (c) Ion Beam Analyses 13 %
 (d) Physics Research 12 %
 (e) Test Runs 5 %

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current (part μ A)	
		Internal	External
(a) protons	19	300	50
(b) alphas	5.25	100	40

1994 μ A-hours on target: Beam on target 1994: 1739 hours

FACILITIES

SHIELDED AREA: Fixed: 174 m² Moveable m²
 Target Stations: 5 No. Served At Same Time: 1
 OTHER FACILITIES: Analyzing magnet, scattering chamber, facilities for radionuclide production and ion beam analyses.

REFERENCES/NOTES

(a) Basargin et al.: Proc. 6th Int. Cyclotron Conf.
 (b)

PLAN VIEW OF FACILITY, COMMENTS

