

ENTRY NO. CU20 Date October, 8, 1995  
 Cyclotron Model Scanditronix MC 32 N1  
 Institution Rigshospitalet  
 Address Dept. KF 3982, Blegdams Vej. 9, DK-2100 Denmark  
 Tel +45 35453896 Telex --  
 Fax +45 35453898 E-MAIL MIKAELJ@PET.RH.DK.  
 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 $\mu$ A)	
		Internal	External
(a) H <sup>-</sup>	32	100	100
(b) d <sup>-</sup>	8	100	100
(c) $\alpha^{++}$	32	80	---

1994  $\mu$ A-hours on target: ---

**FACILITIES**  
**SHIELDED AREA:** Fixed: m<sup>2</sup> Moveable m<sup>2</sup>  
 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  
 Fax +358 21 2654 912 E-MAIL sheselius@abo.fi  
 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 $\mu$ A)	
		Internal	External
(a) protons	19	300	50
(b) alphas	5.25	100	40

1994  $\mu$ A-hours on target: Beam on target 1994: 1739 hours

**FACILITIES**  
**SHIELDED AREA:** Fixed: 174 m<sup>2</sup> Moveable m<sup>2</sup>  
 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**

