

ENTRY NO. CU20 Date October, 8, 1995  
 Cyclotron Model Scanditronix MC 32 NI  
 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-	32	100	100
(b) d-	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: CU21 Date: August 26, 1998  
 Machine Name:  
 Cyclotron Model: MGC-20  
 Institution: Accelerator Laboratory, Åbo Akademi University  
 Address: Porthansgatan 3, FIN-20500 Turku, Finland  
 Tel: +358 2 21531  
 Fax: +358 2 2154912 Web: http://www.utu.fi:80/med/pet/  
 E-mail: Stefan.Johansson@abo.fi  
 In Charge: Sven-Johan Heselius

**HISTORY**

Installation: 1974 First Beam: 1974  
 Design/Construction by: D.V. Efremov Institute  
 Funded by: Finnish Government

**USES**

PET Radionuclide Production 55 %  
 PET Radionuclide & Radiochemistry Research 30 %  
 Ion Beam Analyses 10 %  
 Test Runs 5 %  
 Total time: 1400 h/year

**CHARACTERISTIC BEAMS**

Ions/energy/current:  
 H 3-20 MeV 300/30 $\mu$ A  
 D 6-10.5 MeV 300/30 $\mu$ A  
<sup>3</sup>He 9-28 MeV 80/20 $\mu$ A <sup>4</sup>He 12-21 MeV 80/20  $\mu$ A

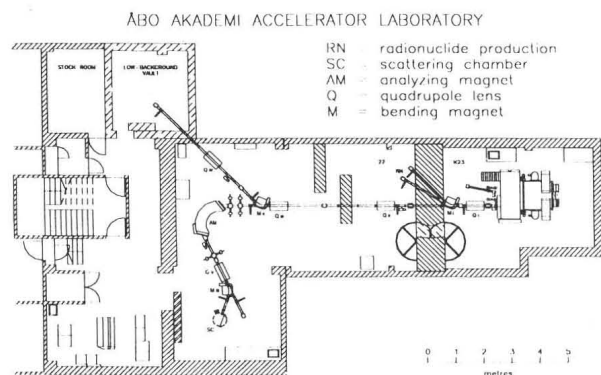
**EXPERIMENTAL FACILITIES**

Five target stations, analyzing magnet, scattering chamber,  
 Facilities for radionuclide production and ion-beam analyses...

**REFERENCES**

Basargin et al., Proc. 6 th Int. Cyclotron Conf.

**PLAN VIEW OF FACILITY**



**COMMENTS**

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