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 μA) Internal	External
(a) H-	32	100	100
(b) d-	8	100	100
(c) α^{++}	32	80	---

1994 μA-hours on target: ---

FACILITIES
SHIELDED AREA: Fixed: ..... m^2 Moveable ..... m^2
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. %
	%

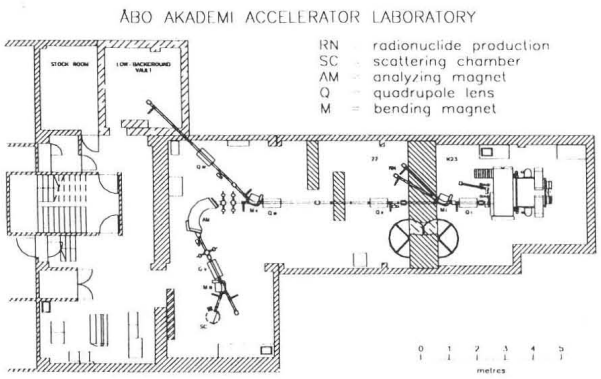
Total time: 1400 h/year

CHARACTERISTIC BEAMS
Ions/energy/current:
H 3-20 MeV 300/30μA
D 6-10.5 MeV 300/30μA
^{3}He 9-28 MeV 80/20μA ^{4}He 12-21 MeV 80/20 μA

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