

ENTRY NO. CU33 Date
 Cyclotron Model Scanditronix MC16
 Institution Max-Planck-Institut f. neurol. Forsch.
 Address Gleueler Str. 50, D-50931 Köln
 Tel 0221-4726-220 Telex
 Fax 0221-4726-298 E-MAIL
 In Charge: W.-D. Heiss Reported by: K. Wienhard

HISTORY

MILESTONE DATES:
 Installation 1987 First Beam 1987
 DESIGN/CONSTRUCTION BY: Scanditronix
 COST: Accelerator 3 Million DM Facility
 FUNDED BY: Max-Planck-Gesellschaft

STATUS

STAFF: Operators 1 Technicians 1
 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

Accelerated Ions	E/A (MeV/u)	Current (part μ A)	
		Internal	External
(a) p	17		30 μ A
(b) d	17		30 μ A

1994 μ A-hours on target: ~ 10,000

FACILITIES

SHIELDED AREA: Fixed: 32 m² Moveable m²
 Target Stations: 1 No. Served At Same Time:
 OTHER FACILITIES: PET-Cameras

REFERENCES/NOTES

- (a)
- (b)

PLAN VIEW OF FACILITY, COMMENTS

ENTRY NO. CU34 Date October, 1995
 Cyclotron Model GE PETtrace
 Institution Eberhard-Karls-Universität Tübingen
 Address PET-Zentrum des Universitätsklinikums
 Tel 49-7071-297443 Telex Röntgenweg 15
 Fax 49-7071-296554 E-MAIL D-72076 Tübingen
 In Charge: H.-J. Machulla Reported by: R.M. Lambrecht

HISTORY

MILESTONE DATES:
 Installation 1995 First Beam 10 March 1995
 DESIGN/CONSTRUCTION BY: General Electric
 COST: Accelerator Facility DM 18 x 10⁶
 FUNDED BY: Federal and State Government
 Volkswagen Stiftung

STATUS

STAFF: Operators Technicians
 BUDGET: Machine Funded by Uni-Hospital
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Medical Radionuclide Production 95 %
 (b) Maintenance 5 %
 (c) %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current (part μ A)	
		Internal	External
(a) H	16.5		75
(b) D	8.4		60

1994 μ A-hours on target:

FACILITIES

SHIELDED AREA: Fixed: m² Moveable m²
 Target Stations: 6 No. Served At Same Time: 2
 OTHER FACILITIES: Radiopharmaceutical Labs
 2 Hot cells for synthesis, robotics, NMR
 2 Hot cells equipped with synthesis modules
 Advance PET, Bio-Image analyzer, GC-LC-MS

REFERENCES/NOTES

- (a) Vacuum system operating pressure 3×10^{-6}
- (b) Oil diffusion pump + mechanical forepump
- (c) Extraction system 100% efficiency

PLAN VIEW OF FACILITY, COMMENTS

