

ENTRY NO. CU35 Date October, 1995
Cyclotron Model IBA Cyclone 1819
Institution Universität Ulm, Abt. Nuklearmed.
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In Charge: Prof. Reske Reported by: Dr Hartung

HISTORY

MILESTONE DATES:
Installation May & June 1995 First Beam 21/06/1995
DESIGN/CONSTRUCTION BY: Siemens/IBA
COST: Accelerator Facility
FUNDED BY: University of Ulm

STATUS

STAFF: Operators 1 Technicians 1
BUDGET: Machine Funded by
TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
(a) Isotope production of positron emitters 100 %
(b) (^{18}F , ^{11}C , ^{13}N , ^{15}O)
(c) %
(d) %
(e) %

CHARACTERISTIC BEAMS

	Accelerated Ions	E/A (MeV/u)	Current (part μA)	
			Internal	External
(a) Protons (H^+)		16-18		
(b) Deuterons (D^+)		7-9		

1994 μA -hours on target:

FACILITIES

SHIELDED AREA: Fixed: 25 m² Moveable 77 m²
Target Stations: 5 No. Served At Same Time: 2
OTHER FACILITIES:

REFERENCES/NOTES

(a)
(b)

PLAN VIEW OF FACILITY, COMMENTS

The routine productions of the positron emitting nuclides will be started in November 1995.

ENTRY NO. CU36 Date 10/02/1995
Cyclotron Model MGC-20E
Institution ATOMKI
Address 18/c Bem tér, Debrecen, Hungary 4026
Tel 36-52-417-266 Telex
Fax 36-52-416-181 E-MAIL valek@moon.atomki.hu
In Charge: A. Valek Reported by: A. Valek

HISTORY

MILESTONE DATES:
Installation 1994-95 First Beam 1995
DESIGN/CONSTRUCTION BY: SRIBA, St. Petersburg, CIS
COST: Accelerator 2 mUSD Facility 7.5 mUSD
FUNDED BY: Hungarian Academy of Sciences

STATUS

STAFF: Operators 6 Technicians 2
BUDGET: Machine Funded by
TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
(a) basic research 35 %
(b) applied program 35 %
(c) break down time 10 %
(d) maintenance 20 %
(e) %

CHARACTERISTIC BEAMS

	Accelerated Ions	E/A (MeV/u)	Current (part μA)	
			Internal	External
(a) proton		14.5	80	40
(b) alpha		5	25	10

1994 μA -hours on target: 27,000 (estimated)

FACILITIES

SHIELDED AREA: Fixed: 100 m² Moveable 550 m²
Target Stations: 10 No. Served At Same Time: 1
OTHER FACILITIES:

magnetic spectrograph
P.E.T.

REFERENCES/NOTES

(a)
(b)

PLAN VIEW OF FACILITY, COMMENTS