

ENTRY NO. CU35 Date October, 1995
 Cyclotron Model IBA Cyclone 1819
 Institution Universität Ulm, Abt. Nuklearmed.
 Address Robert Koch Str 8, D-89081 Ulm, Germany
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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 %
 (b) (¹⁸F, ¹¹C, ¹³N, ¹⁵O) 100 %
 (c) %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

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

1994 μ A-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 μ A)	
		Internal	External
(a) proton	14.5	80	40
(b) alpha	5	25	10

1994 μ A-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