

ENTRY NO. CU31 Date  
 Cyclotron Model CV. 28 (The Cyclotron Corp.)  
 Institution Forschungszentrum Jülich - IFF  
 Address D-52425 Jülich, Germany  
 Tel +49-2461-61-5523 Telex 833556 kfa d  
 Fax +49-2461-61-2410  
 In Charge: F. Dworschak Reported by: S. Berger  
 E-MAIL: Dworschak@kfa-juelich.de

HISTORY  
 MILESTONE DATES:  
 Installation 1974/75 First Beam 1976  
 DESIGN/CONSTRUCTION BY: The Cyclotron Corp.  
 COST: Accelerator \$ 1 Mio Facility \$ 2 Mio  
 FUNDED BY: German Government

STATUS  
 STAFF: Operators 4 Technicians 1  
 BUDGET: Machine \$ 50,000/year Funded by German Government  
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)  
 (a) Isotope Production 20 %  
 (b) Nuclear Chemistry 25 %  
 (c) Solid State Physics 40 %  
 (d) Maintenance 15 %  
 (e) %

Basic

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current (part $\mu$ A)	
		Internal	External
(a) $p, d, ^3He$	max. 24	max. 250	max. 70
(b) $^4He, ^6Li$			

1994  $\mu$ A-hours on target: 2400 operating hours

FACILITIES

SHIELDED AREA: Fixed: 200 m<sup>2</sup> Moveable / m<sup>2</sup>  
 Target Stations: 7 No. Served At Same Time: max. 1  
 OTHER FACILITIES: pneumatic transfer for internal and external target

REFERENCES/NOTES

- (a) J. Hammerich et al., Kerntechnik 19, 67 (1970)
- (b) F. Dworschak et al., EPAC 88, Rome 1988, p. 10
- (c) Z. Kormany et al., EPAC 94, London 1994, p. 15

PLAN VIEW OF FACILITY, COMMENTS

ENTRY NO. CU32 Date  
 Cyclotron Model CV. 28  
 Institution Institut für Festkörperphysik, KFA Jülich  
 Address KFA Jülich, D-52425 Jülich, Germany  
 Tel +49. 2461. 61. 5523 Telex 833556 KFA D  
 Fax +49. 2461. 61. 8100 E-MAIL  
 In Charge: Dr. F. Dworschak Reported by: Dr. S.M. Qaim

HISTORY  
 MILESTONE DATES:  
 Installation 1975 First Beam 1976  
 DESIGN/CONSTRUCTION BY: Cyclotron Corporation  
 COST: Accelerator Facility  
 FUNDED BY: KFA Jülich

STATUS  
 STAFF: Operators 5 Technicians  
 BUDGET: Machine Funded by  
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)  
 (a) Basic research 50 %  
 (b) Isotope production 50 %  
 (c) %  
 (d) %  
 (e) %

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current (part $\mu$ A)	
		Internal	External
(a) $p, d, ^3He$	24; 14;		
(b) $^4He, ^6Li$	36; 28;	100	40

1994  $\mu$ A-hours on target: ca. 20.000

FACILITIES

SHIELDED AREA: Fixed: ca. 300 m<sup>2</sup> Moveable / m<sup>2</sup>  
 Target Stations: No. Served At Same Time:  
 OTHER FACILITIES: Hot cells, radiochemistry laboratories

REFERENCES/NOTES

- (a)
- (b)

PLAN VIEW OF FACILITY, COMMENTS