

ENTRY NO. CU80 Date 22.6.92  
 Cyclotron Model Scanditronix MC40 Mark II  
 Institution Medical Research Council Cyclotron Unit  
 Address Hammersmith Hospital, Du Cane Road, London  
 Tel 081 740 3162 Telex W12 OHS  
 Fax 081 743 3987 EMAIL  
 In Charge: M. L. RENTON Reported by: D. B. MACKAY

**HISTORY**

MILESTONE DATES:  
 Installation 1985 First Beam March 1986  
 DESIGN/CONSTRUCTION BY: Scanditronix and MRC  
 COST: Accelerator £1 M Facility £3 M  
 FUNDED BY: Medical Research Council

**STATUS**

STAFF: Operators 8 Technicians 4  
 BUDGET: Machine £50K Funded by MRC  
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)  
 (a) PET tracers 65 %  
 (b) Off-site medical isotope production 25 %  
 (c) Maintenance/development 10 %  
 (d) %  
 (e) %

**CHARACTERISTIC BEAMS**

Accelerated Ions	E/A (MeV/u)	Current(part $\mu$ A)	
		Internal	External
(a) PROTONS	40	300	100
(b) DEUTERONS/ALPHA	10	300,150	100,65
(c) <sup>3</sup> He	17	150	70

1991  $\mu$ A-hours on target: 80,000

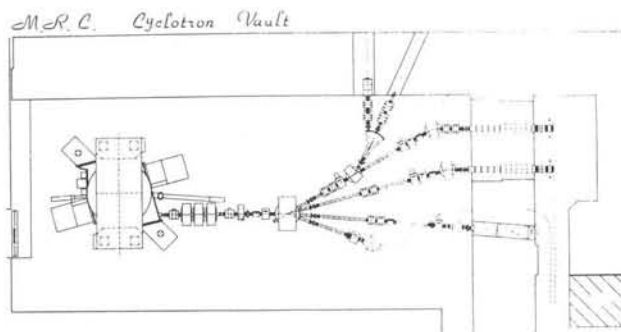
**FACILITIES**

SHIELDED AREA: Fixed 80 m<sup>2</sup> Moveable m<sup>2</sup>  
 Target Stations: 5 No. Served At Same Time: 1  
 OTHER FACILITIES: 2 x PET Scanner (Siemens - CTI)  
 1 x CYCLONE 3 OXYGEN GENERATOR (IBA) - see separate entry

**REFERENCES/NOTES**

(a) .....  
 (b) .....

**PLAN VIEW OF FACILITY, COMMENTS**



ENTRY NO. CU81 Date 22.6.92  
 Cyclotron Model CYCLONE 3 (IBA)  
 Institution Medical Research Council Cyclotron Unit  
 Address Hammersmith Hospital, Du Cane Road, London  
 Tel 081.740.3162 Telex W12 OHS  
 Fax 081.743.3987 EMAIL  
 In Charge: M. L. RENTON Reported by: D. B. MACKAY

**HISTORY**

MILESTONE DATES:  
 Installation Feb. 91 First Beam Mar 91  
 DESIGN/CONSTRUCTION BY: IBA  
 COST: Accelerator Facility conversion  
 FUNDED BY: Royal Postgraduate Medical School

**STATUS**

STAFF: Operators Technicians  
 BUDGET: Machine Funded by  
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)  
 (a) OXYGEN 15 PRODUCTION 30 HOURS/WK 95 %  
 (b) MAINTENANCE = 2 HOURS/WK 5 %  
 (c) %  
 (d) %  
 (e) %

**CHARACTERISTIC BEAMS**

Accelerated Ions	E/A (MeV/u)	Current(part $\mu$ A)	
		Internal	External
(a) DEUTERONS	1,8	120	50
(b)			

1991  $\mu$ A-hours on target:

**FACILITIES**

SHIELDED AREA: Fixed 25 m<sup>2</sup> Moveable m<sup>2</sup>  
 Target Stations: 1 No. Served At Same Time:  
 OTHER FACILITIES:  
 SEE OTHER ENTRY FOR MAIN FACILITIES

**REFERENCES/NOTES**

(a) .....  
 (b) .....

**PLAN VIEW OF FACILITY, COMMENTS**

