

ENTRY NO. CU79 Date 10 July 1992  
 Cyclotron Model CP42  
 Institution AMERSHAM INTERNATIONAL plc  
 Address White Lion Road, Amersham, HP7 9LL  
 Tel 01494 54 3317 Telex ACTIVLG  
 Fax 01494 54 3249 E-MAIL  
 In Charge: Neil Rowley Reported by: Dewi M Lewis

**HISTORY**

MILESTONE DATES:  
 Installation 1980 First Beam 1981  
 DESIGN/CONSTRUCTION BY: CYCLOTRON CORP  
 COST: Accelerator US\$ 2M Facility  
 FUNDED BY: UK ATOMIC ENERGY AUTHORITY

**STATUS**

STAFF: Operators 6 Technicians 4  
 BUDGET: Machine Funded by Commercial  
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)  
 (a) Isotope Production 65 %  
 (b) Maintenance 35 %  
 (c) %  
 (d) %  
 (e) %

**CHARACTERISTIC BEAMS**

Accelerated Ions	E/A (MeV/u)	Current (part $\mu$ A)	
		Internal	External
(a) p	42	260	250 max
(b) p	30	340	320 max
(b) p	11	150	

1994  $\mu$ A-hours on target:

**FACILITIES**

SHIELDED AREA: Fixed: m<sup>2</sup> Moveable m<sup>2</sup>  
 Target Stations: 2 No. Served At Same Time: 1  
 OTHER FACILITIES:  
 REMOTE CONTROLLED TARGETS  
 COMPUTER AUTOMATED TOTAL SYSTEM

**REFERENCES/NOTES**

(a)  
 (b)

**PLAN VIEW OF FACILITY, COMMENTS**

ENTRY NO. CU80 Date 10 July 1992  
 Cyclotron Model MC-40 Mk2  
 Institution Amersham International plc  
 Address White Lion Road, Amersham, HP7 9LL  
 Tel 01494 54 3317 Telex ACTIVLG  
 Fax 01494 54 3249 E-MAIL  
 In Charge: Neil Rowley Reported by: Dewi M Lewis

**HISTORY**

MILESTONE DATES:  
 Installation 1986 First Beam 1986  
 DESIGN/CONSTRUCTION BY: SCANDITRONIX AB  
 COST: Accelerator approx £1.5M Facility  
 FUNDED BY: Commercial

**STATUS**

STAFF: Operators 6 Technicians 4  
 BUDGET: Machine Funded by  
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)  
 (a) ISOTOPE PRODUCTION 65 %  
 (b) MAINTENANCE 35 %  
 (c) %  
 (d) %  
 (e) %

**CHARACTERISTIC BEAMS**

Accelerated Ions	E/A (MeV/u)	Current (part $\mu$ A)	
		Internal	External
(a) p	11 - 35,5		
(b)	33,5	250	max

1994  $\mu$ A-hours on target:

**FACILITIES**

SHIELDED AREA: Fixed: m<sup>2</sup> Moveable m<sup>2</sup>  
 Target Stations: 2 No. Served At Same Time: 1  
 OTHER FACILITIES:  
 AUTOMATED CYCLOTRON  
 REMOTE CONTROL TARGETS

**REFERENCES/NOTES**

(a)  
 (b)

**PLAN VIEW OF FACILITY, COMMENTS**