

**ENTRY NO. CU83** 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
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. CU84** 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**