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

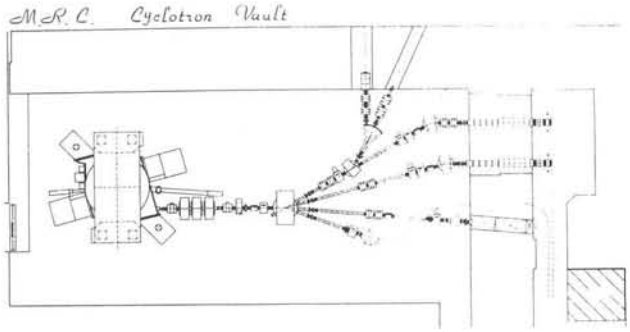
	Accelerated Ions	E/A (MeV/u)	Current(part μA) Internal	External
(a)	PROTONS	40	300	100
(b)	DEUTERONS/ALPHA	10	300,150	100,65
(c)	^{3}He	17	150	70

1991 μA-hours on target: 80,000

FACILITIES
SHIELDED AREA: Fixed 80 m² Moveable m²
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

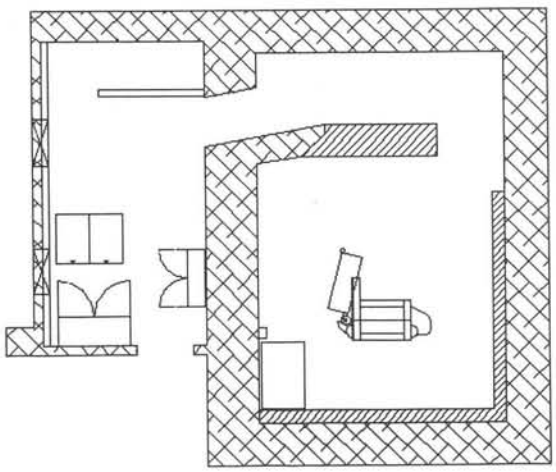
STATUS
STAFF: Operators - Technicians -
BUDGET: Machine - Funded by
TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
(a) OXYGEN 15 PRODUCTION 30 HOURS/WK 95 %
(b) MAINTENANCE = 2 HOURS/WK 5 %
(c) %
(d) %
(e) %

CHARACTERISTIC BEAMS

	Accelerated Ions	E/A (MeV/u)	Current(part μA) Internal	External
(a)	DEUTERONS	1.8	120	50
(b)				

1991 μA-hours on target:

FACILITIES
SHIELDED AREA: Fixed 25 m² Moveable m²
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