

ENTRY NO. CU22 Date October 3, 1995
 Cyclotron Model CYCLONE 3
 Institution TUCH, Turku Medical Cyclotron PET Centre
 Address FIN-20500 TURKU FINLAND
 Tel +358-21-2611860 Telex
 Fax +358-21-2318191 E-MAIL Han.Sipila@utu.fi
 In Charge: Hannu Sipilä Reported by: Hannu Sipilä

HISTORY
 MILESTONE DATES:
 Installation 1-5/92 First Beam 4/92
 DESIGN/CONSTRUCTION BY: IBA sa, Belgium
 COST: Accelerator 2.3 MFIM Facility 1 MFIM
 FUNDED BY: Turku University Central Hospital (TUCH)

STATUS
 STAFF: Operators 1 (no full time) Technicians 1 (no full time)
 BUDGET: Machine 75000 FIM Funded by TUCH
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Isotope production 95 %
 (b) Maintenance 5 %
 (c) %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current (part μ A)	
		Internal	External
(a) Deuterons	3.8/2	80-100	50-60
(b)			

1994 μ A-hours on target: about 11750 (470h X 25 μ A)

FACILITIES
 SHIELDED AREA: Fixed: about 9 m² Moveable m²
 Target Stations: 1 No. Served At Same Time: 1
 OTHER FACILITIES:

REFERENCES/NOTES
 (a)
 (b)

PLAN VIEW OF FACILITY, COMMENTS

Maximum extracted current on the aluminium target, about 120 μ A

ENTRY NO. CU23 Date 15 juin 1992
 Cyclotron Model 520 CGR MEV
 Institution CEA/DRIIPP - Service Hospitalier Frédéric Joliot
 Address 91406 ORSAY FRANCE
 Tel 69.86.77.04 Telex
 Fax 69.86.77.68 EMAIL
 In Charge: C. CROUZEL Reported by: G. CROUZEL

HISTORY
 MILESTONE DATES:
 Installation 1975 First Beam May 1975
 DESIGN/CONSTRUCTION BY: CGR MEV
 COST: Accelerator Facility
 FUNDED BY: CEA

STATUS
 STAFF: Operators Technicians
 BUDGET: Machine Funded by
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Isotopes production 11, 18, 15, 76 Br 100 %
 (b) %
 (c) %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

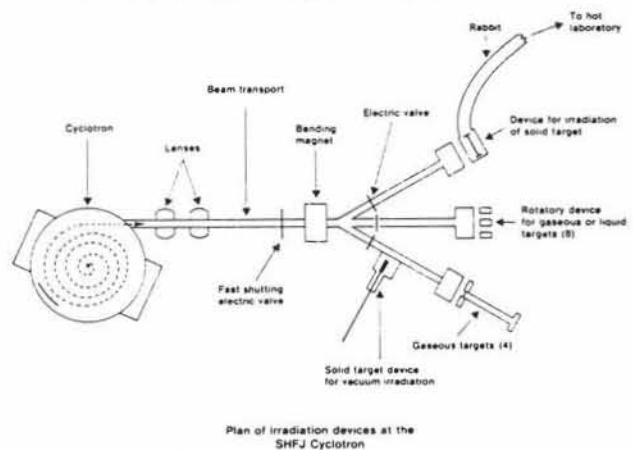
Accelerated Ions	E/A (MeV/u)	Current (part μ A)	
		Internal	External
(a) Proton		200	70
(b) Deuteron		200	70
Helium -3		100	50

1991 μ A-hours on target: 30 μ A

FACILITIES
 SHIELDED AREA: Fixed m² Moveable m²
 Target Stations: 3 No. Served At Same Time: 1
 OTHER FACILITIES:

REFERENCES/NOTES
 (a)
 (b)

PLAN VIEW OF FACILITY, COMMENTS



Plan of irradiation devices at the SHFJ Cyclotron