

ENTRY NO. CU39 Date
 Cyclotron Model SCANDITRONIX MC17F
 Institution ISTITUTO NAZIONALE TUMORI (INT)
 Address VIA VENEZIAN, 1 - 20133 MILAN
 Tel +39-2-2390791 Telex /
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 In Charge: E. BOMBARDIERI MD Reported by: F. CRIPPA MD

HISTORY

MILESTONE DATES:

Installation APR. 94 First Beam APR. 95
 DESIGN/CONSTRUCTION BY: SCANDITRONIX AB
 COST: Accelerator 1.7 MIL US DOL Facility 6.5 MIL US DOL
 FUNDED BY: ITALIAN HEALTH SERVICE

STATUS

STAFF: Operators 3 Technicians 1
 BUDGET: Machine 300,000 US DOL Funded by INT
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) ISOTOPE PRODUCTION FOR CLINICAL ACTIVITY 80 %
 (b) ISOTOPE PRODUCTION FOR RADIOCHEMISTRY 10 %
 (c) MAINTENANCE 10 %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current (part μ A)	
		Internal	External
(a) H+	17 MeV	90	50
(b) D	8 MeV	90	50

1994 μ A-hours on target: \emptyset

FACILITIES

SHIELDED AREA: Fixed: 16 m² Moveable \emptyset m²
 Target Stations: 8 No. Served At Same Time: 1

OTHER FACILITIES:

- REMOTE AUTOMATIC CONTROL OF ALL OPERATIONS
- DOUBLE SYSTEM VACUUM PUMPS

REFERENCES/NOTES

- (a)
- (b)

PLAN VIEW OF FACILITY, COMMENTS

THE ACTIVITY OF THE CICLOTRON IS TOTALLY DEVOTED TO CLINICAL PET STUDIES IN ONCOLOGY. THE PET-CICLOTRON FACILITY BELONGS TO THE NUCLEAR MEDICINE DEPARTMENT OF THE NATIONAL CANCER INSTITUTE OF MILAN (ITALY).

ENTRY NO. CU40 Date January 3, 1996
 Cyclotron Model Scanditronix MC-17
 Institution Istituto dei tumori Fondazione G. Pascale
 Address Via M. Semmola 80131 Napoli
 Tel +39 81 5903229 Telex
 Fax +39 81 5465797 E-MAIL ALFANO@NA.INFN.IT
 In Charge: Reported by: Dr M Panico

HISTORY

MILESTONE DATES:

Installation February 1991 First Beam March 1991
 DESIGN/CONSTRUCTION BY: Scanditronix Sweden
 COST: Accelerator Facility 2.5 Million \$
 FUNDED BY: University/CNR/Pascale

STATUS

STAFF: Operators 4 Technicians 2
 BUDGET: Machine \$400,000 Funded by Univ/CNR/Pascale
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Basic research 40 %
 (b) Isotopic production 52 %
 (c) Maintenance 8 %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current (part μ A)	
		Internal	External
(a) Protons	17		20
(b) Deuterons	7.4		

1994 μ A-hours on target: 8000s

FACILITIES

SHIELDED AREA: Fixed: 40 m² Moveable m²
 Target Stations: 8 No. Served At Same Time: 1

OTHER FACILITIES:

- ANATECH ROBOT RB86
- two Hot cells Von Gahlen

REFERENCES/NOTES

- (a)
- (b)

PLAN VIEW OF FACILITY, COMMENTS

