

ENTRY NO. **CU38** Date 09 October 1995
 Cyclotron Model **NRCAM**
 Institution Nuclear Research Centre for Agriculture &
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 In Charge: Dr. M. Haji-Saeid Reported by: Dr. M. Haji-Saeid

HISTORY
 MILESTONE DATES:
 Installation 1994 First Beam December 1994
 DESIGN/CONSTRUCTION BY: IBA, Belgium
 COST: Accelerator Facility
 FUNDED BY: Atomic Energy Organisation of Iran

STATUS
 STAFF: Operators 10 Technicians 5
 BUDGET: Machine Funded by
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Isotope Production 70 %
 (b) Applied Research 22 %
 (c) Maintenance 8 %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current (part μ A)	
		Internal	External
(a) H^+	15-30 MeV		500 μ A
(b) d^+	7-15 MeV		180 μ A

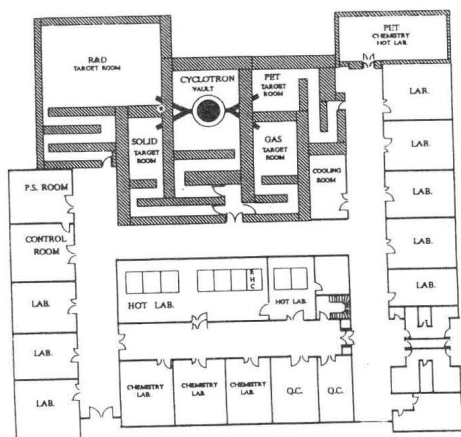
1994 μ A-hours on target:

FACILITIES
 SHIELDED AREA: Fixed 600 m² Moveable m²
 Target Stations: 4 No. Served At Same Time: 2
 OTHER FACILITIES: Radioisotope production facilities, PET facilities, R&D facilities

REFERENCES/NOTES

- (a)
- (b)

PLAN VIEW OF FACILITY, COMMENTS



Entry: **CU39** Date: June 1998
 Machine Name: Scanditronix
 Cyclotron Model: MC-40
 Institution: European Commission
 Address: 21020 Ispra (VA) Italy
 Tel: ++39-0332-789895
 Fax: ++39-0332-789385 Web: www.jrc.org/iam/cyc
 E-mail: rien.stroosnijder@jrc.it
 In Charge: M.F. Stroosnijder

HISTORY
 Installation: 1980 First Beam: 1982
 Design/Construction by: Scanditronix
 Funded by: European Commission

USES
 Materials research 60 %
 Biomedical isotope production 25 %
 Fusion materials research 15 %

Total time: h/year

CHARACTERISTIC BEAMS
 Ions/energy/current:
 protons up to 39 MeV, 60 μ A external
 deuterons up to 20 MeV, 60 μ A external
 alphas up to 39 MeV, 30 μ A external

EXPERIMENTAL FACILITIES
 accelerator cubicle, 3 irradiation bunkers, 7 beam lines, 7 hot laboratories, various irradiation rigs, I-123 production facility, gamma spectrometry laboratory, Thin layer Activation facilities for high temperature corrosion; electrochemical; laboratory wear testing; engine test facility

REFERENCES

PLAN VIEW OF FACILITY

COMMENTS