

ENTRY NO. CU2 Date 19/06/92
 Cyclotron Model ION BEAM APPLICATIONS CYCLONE 30
 Institution NATIONAL MEDICAL CYCLOTRON (ANSTO/RPAH)
 Address GROSE ST. CAMPEBDOWN, NSW, 2050, AUSTRALIA
 Tel 02 565 7600 Telex
 Fax 02 565 7676 EMAIL
 In Charge: R.E. BOYD Reported by: D.W. ARNOTT/
 B MUKHERJEE

HISTORY
 MILESTONE DATES:
 Installation 09/04/91 First Beam 09/07/91
 DESIGN/CONSTRUCTION BY: IBA (ION BEAM APPLICATIONS)
 COST: Accelerator \$4.3M Facility \$20.5M
 FUNDED BY: ANSTO-RPAH

STATUS
 STAFF: Operators 3 Technicians 8
 BUDGET: Machine \$3M Funded by ANSTO
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) PET RADIOISOTOPIES 88. %
 (b) SPECT RADIOISOTOPIES 88. %
 (c) MAINTENANCE 10. %
 (d) BASIC RESEARCH (HEALTH PHYSICS) 2+ %
 (e) %

CHARACTERISTIC BEAMS

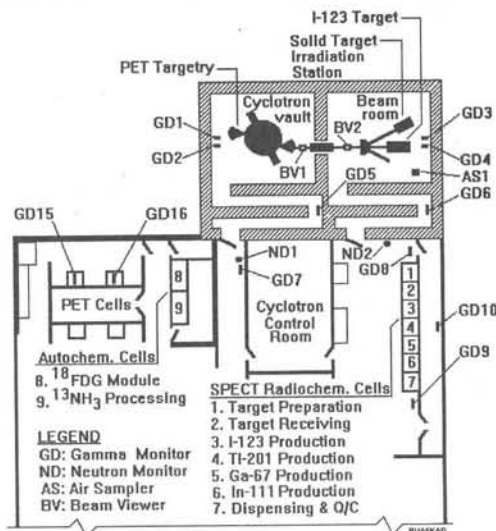
Accelerated Ions	E/A (MeV/u)	Current (part μ A)	Internal	External
(a) H ⁺	15-30 MeV	15-200 μ A		
(b)				

1991 μ A-hours on target: 10,000,44h

FACILITIES
 SHIELDED AREA: Fixed 168 m² Moveable 7 m²
 Target Stations: 6 No. Served At Same Time: 2
 OTHER FACILITIES:

REFERENCES/NOTES
 (a)
 (b)

PLAN VIEW OF FACILITY, COMMENTS
 Facility provides dual PET/SPECT simultaneous production. Shielding wall made of 2.3m thick low sodium content concrete.



ENTRY NO. CU5 Date June 19, 1992
 Cyclotron Model IBA CYCLONE 30
 Institution Nordion Europe S.A.
 Address B-6220 FLEURUS (Belgium)
 Tel 32-71-829211 Telex
 Fax 32-71-829221 EMAIL
 In Charge: C. PIRART Reported by: C. PIRART

HISTORY
 MILESTONE DATES:
 Installation January 1992 First Beam March 1992
 DESIGN/CONSTRUCTION BY: Ion Beam Applications S.A.
 COST: Accelerator 4 M. US\$ Facility 8 M. US\$
 FUNDED BY: NORDION EUROPE S.A.

STATUS
 STAFF: Operators 4 Technicians 6
 BUDGET: Machine Funded by
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Isotope production 100. %
 (b) %
 (c) %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current (part μ A)	Internal	External
(a) H ⁺	15-30	2x200 μ A		
(b)				

1991 μ A-hours on target:

FACILITIES
 SHIELDED AREA: Fixed 80 m² Moveable 7 m²
 Target Stations: 4 No. Served At Same Time: 2
 OTHER FACILITIES:

REFERENCES/NOTES
 (a)
 (b)

