

ENTRY NO. CU17 Date Nov. 01, 1995
 Cyclotron Model THE CYCLOTRON CORPORATION CP42
 Institution TRIUMF
 Address 4004 Wesbrook Mall, Vancouver, B.C.
 Tel 604-222-1047 Telex 04508503
 Fax 604-222-1074 E-MAIL NIGEL@TRIUMF.CA
 In Charge: N.R. STEVENSON Reported by: N.R. STEVENSON

HISTORY
 MILESTONE DATES:
 Installation SEPTEMBER 1978 First Beam JULY 1979
 DESIGN/CONSTRUCTION BY: THE CYCLOTRON CORPORATION
 COST: Accelerator Facility
 FUNDED BY: Atomic Energy of Canada Ltd, Radiochemica

STATUS
 STAFF: Operators 10 Technicians 5
 BUDGET: Machine \$800,000 Funded by Nordion Int'l
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Isotope Production 85%
 (b) PET and other research 7%
 (c) Maintenance 8%
 (d) %
 (e) %

CHARACTERISTIC BEAMS

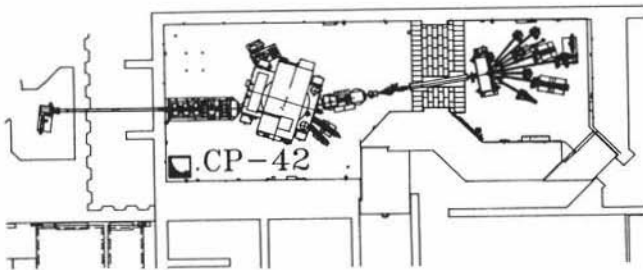
Accelerated Ions	E/A (MeV/u)	Current (part μ A)	
		Internal	External
(a) H^-	11-42	250	250
(b)			

1994 μ A-hours on target: 8.4 E 5

FACILITIES
 SHIELDED AREA: Fixed: 100 m² Moveable m²
 Target Stations: 7 No. Served At Same Time: 1
 OTHER FACILITIES:

REFERENCES/NOTES
 (a) G.O. Hendry et al, "Design and performance of a compact H^- cyclotron", Proc. 9th Int. conference on cyclotrons, p125 (1981)
 (b)

PLAN VIEW OF FACILITY, COMMENTS



ENTRY NO. CU18 Date Nov. 01, 1995
 Cyclotron Model TR 30
 Institution TRIUMF
 Address 4004 Wesbrook Mall, Vancouver, B.C. V6T 2A3 Canada
 Tel (604) 222-1047 Telex (O) 4508503
 Fax (604) 222-1074 E-MAIL NIGEL@TRIUMF.CA
 In Charge: N.R. Stevenson Reported by: N.R. Stevenson

HISTORY
 MILESTONE DATES:
 Installation Jun '89 - Jun '90 First Beam July 1990
 DESIGN/CONSTRUCTION BY: TRIUMF/EBCO
 COST: Accelerator \$3,500,000 Facility \$10,000,000
 FUNDED BY: NORDION INTERNATIONAL INC.

STATUS
 STAFF: Operators 10 Technicians 5
 BUDGET: Machine \$800,000 Funded by NORDION INTL INC.
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) ISOTOPE PRODUCTIONS 95%
 (b) MAINTENANCE 5%
 (c) %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current (part μ A)	
		Internal	External
(a) H^-	15-30	1,200	1,200
(b)			

1994 μ A-hours on target: 2.67 X 10⁶

FACILITIES
 SHIELDED AREA: Fixed: 100 m² Moveable m²
 Target Stations: 4 No. Served At Same Time: 2
 OTHER FACILITIES:

REFERENCES/NOTES
 (a) B.F. Milton et al, particle accelerator conf 1991, IEEE p65
 (b)

PLAN VIEW OF FACILITY, COMMENTS

