

ENTRY NO. CU17 Date Nov: 01, 1995
 Cyclotron Model THE CYCLOTRON CORPORATION CP42
 Institution TRIUMF
 Address 4004 Westbrook 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, Radiochemicals

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

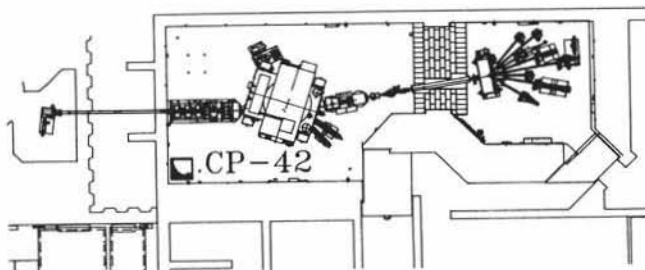
FACILITIES

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 Westbrook 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

