

ENTRY NO. CU123 Date October 1995  
 Cyclotron Model Scanditronix MC 50  
 Institution University of Washington Medical Center  
 Address Seattle, WA 98195-356043, USA  
 Tel (206) 548-4112 Telex 474 0096 UW UT  
 Fax (206) 548-6218 E-MAIL RISLER@RADONC.WASHINGTON.EDU  
 In Charge: R. RISLER Reported by: R. RISLER

**HISTORY**  
 MILESTONE DATES:  
 Installation 1983/84 First Beam June 1983  
 DESIGN/CONSTRUCTION BY: Scanditronix Uppsala  
 COST: Accelerator \$4.2MUSD Facility \$8.2MUSD  
 FUNDED BY: US National Cancer Institute

**STATUS** Engineers - 2  
 STAFF: Operators Technicians 2  
 BUDGET: Machine \$395,000USD Funded by Patient Charges  
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)  
 (a) Neutron Therapy 84 %  
 (b) Isotope Production 6 %  
 (c) Quality Assurance 6 %  
 (d) BNCT Research 4 %  
 (e) %

**CHARACTERISTIC BEAMS**

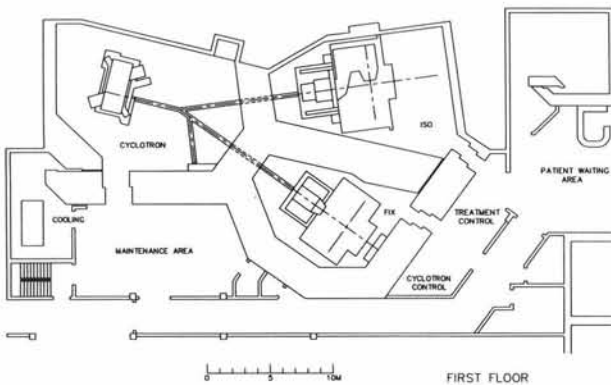
Accelerated Ions	E/A (MeV/u)	Current (part $\mu$ A)	
		Internal	External
(a) p	20-50.5	90	70
(b) d	7.5-12	65	50

1994  $\mu$ A-hours on target: .....

**FACILITIES**  
 SHIELDED AREA: Fixed: 265 m<sup>2</sup> Moveable 0 m<sup>2</sup>  
 Target Stations: 3 No. Served At Same Time: 1  
 OTHER FACILITIES: Isocentric Neutron Therapy Room  
 Fixed Beam Neutron Therapy Room  
 Isotope Production Station in Cyclotron Vault (for PET)

**REFERENCES/NOTES**  
 (a) R. RISLER ET AL: CLINICAL CYCLOTRON  
 (b) SEATTLE: ELEVEN YEARS OF OPERATION (IN THESE PROCEEDINGS)

**PLAN VIEW OF FACILITY, COMMENTS**



ENTRY NO. CU124 Date  
 Cyclotron Model CS-22  
 Institution Amersham Medi+Physics, Inc.  
 Address 900 Durham Ave., So. Plfd., N.J., 07080  
 Tel 908-757-0500 Telex  
 Fax 908-757-7518 E-MAIL  
 In Charge: W.L. McClain Reported by: A. Cichy

**HISTORY**  
 MILESTONE DATES:  
 Installation First Beam JAN. 73  
 DESIGN/CONSTRUCTION BY: Cyclotron Corp.  
 COST: Accelerator Facility  
 FUNDED BY:

**STATUS**  
 STAFF: Operators Technicians 5  
 BUDGET: Machine Funded by  
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)  
 (a) Isotope Production 80%  
 (b) Maintenance 20%  
 (c) %  
 (d) %  
 (e) %

**CHARACTERISTIC BEAMS**

Accelerated Ions	E/A (MeV/u)	Current (part $\mu$ A)	
		Internal	External
(a) P	22	200	65
(b)			

1994  $\mu$ A-hours on target: 1.5e5

**FACILITIES**  
 SHIELDED AREA: Fixed: 90 m<sup>2</sup> Moveable m<sup>2</sup>  
 Target Stations: 2 No. Served At Same Time: 1  
 OTHER FACILITIES:

**REFERENCES/NOTES**  
 (a)  
 (b)

**PLAN VIEW OF FACILITY, COMMENTS**