

ENTRY NO. CU110 Date
 Cyclotron Model RDS 11 MeV Siemens
 Institution USC / SYNCOR
 Address 2250 Alcazar St., Los Angeles CA 90033
 Tel 213 225 0195 Telex
 Fax 213 225 0198 EMAIL
 In Charge: Ben Trickey Reported by: Gerald Kuhs
 /Diana Tribbey

HISTORY
 MILESTONE DATES:
 Installation .. Sept. 91 First Beam Jan. 92
 DESIGN/CONSTRUCTION BY: Laffin-Lietz Architect, Kemp
 COST: Accelerator Facility
 FUNDED BY: USC / SYNCOR

STATUS
 STAFF: Operators 2 Technicians 1
 BUDGET: Machine Funded by SYNCOR
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) PET clinical 90 %
 (b) PET research 10 %
 (c) %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

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

1991 μ A-hours on target:

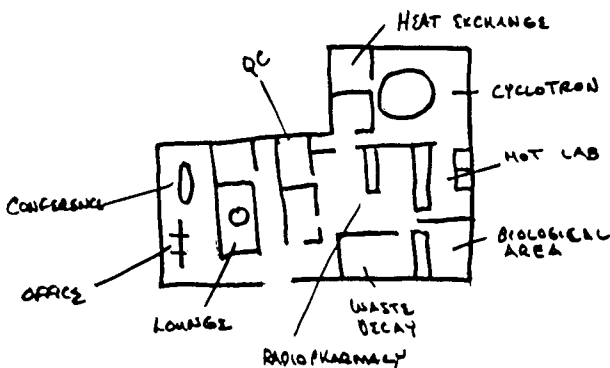
FACILITIES SELFSHIELDED

SHIELDED AREA: Fixed m² Moveable m²
 Target Stations: 4 No. Served At Same Time: 2
 OTHER FACILITIES:
 On Site Radiopharmacy
 Regional Distribution Center

REFERENCES/NOTES

(a)
 (b)

PLAN VIEW OF FACILITY, COMMENTS



ENTRY NO. CU111 Date
 Cyclotron Model CTI RDS F01
 Institution Medical Physics Dept, Univ of Wisconsin
 Address 1300 University Ave, Madison WI 53706 USA
 Tel (608)-263-3910 Telex
 Fax (608)-262-2413 E-MAIL: rnickles@petrus.
 In Charge: RJ Nickles Reported by: medphysics.wisc.edu

HISTORY
 MILESTONE DATES:
 Installation .5/27/86 First Beam .6/11/86
 DESIGN/CONSTRUCTION BY: CTI, Inc., Knoxville, TN
 COST: Accelerator \$499,322 Facility \$55,000
 FUNDED BY: Univ. of Wisconsin Intramural Funds

STATUS
 STAFF: Operators 1 prof+5 students Technicians 0
 BUDGET: Machine \$50K/yr Funded by intramural
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) basic research (eg. targetry) 60% %
 (b) PET isotope production 35% %
 (c) maintenance 5% %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current (part μ A)	
		Internal	External
(a) protons	11.4		0-50
(b)			

1994 μ A-hours on target: 310 hours @ 15-40 uA

FACILITIES

SHIELDED AREA: Fixed: 84 m² Moveable m²
 Target Stations: 4 No. Served At Same Time: 2
 OTHER FACILITIES: vertical switching magnet to
 produce a downward directed beam onto molten targets;
 radiochemistry facilities for PET tracer production
 CTI 933/04 PET scanner dedicated to basic research;
 collaboration with Argonne Atlas on F-18 beams.

REFERENCES/NOTES

(a)
 (b)

PLAN VIEW OF FACILITY, COMMENTS

