

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 BeamJan.. 92....
 DESIGN/CONSTRUCTION BY: Laffin-Lietz Architect, Kemp
 COST: Accelerator Facility
 FUNDED BY: ...USC./ SYNCOR.....

STATUS

STAFF: Operators2..... Technicians1.....
 BUDGET: Machine Funded by ...SYNQB.....
 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

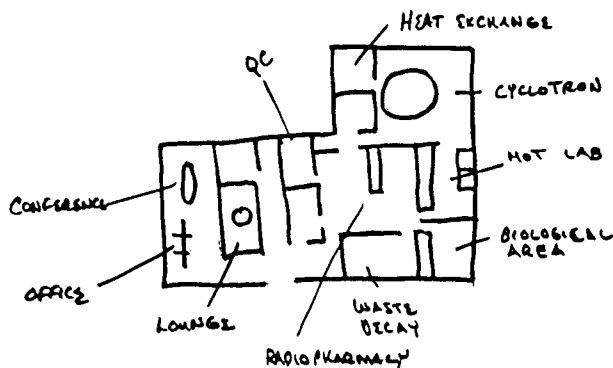
SELF SHIELDED

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-MAILnickles@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

