

ENTRY NO. **CU114** Date

Cyclotron Model RDS 11 MeV Siemens

Institution USC / SYNCOR

Address 2250 Alcazar St., Los Angeles CA 90033

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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 .. SYNCOR

TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)

(a) PET clinical90 %

(b) PET research10 %

(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: 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.

On Site Radiopharmacy

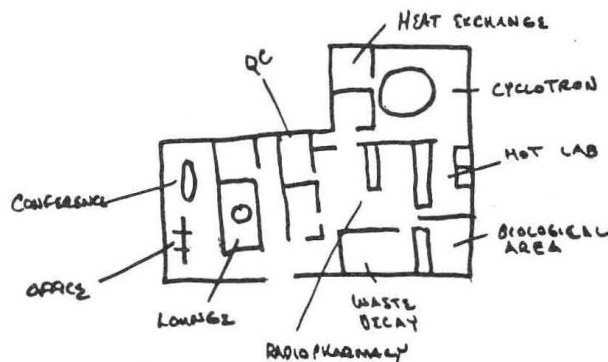
Regional Distribution Center

REFERENCES/NOTES

(a)

(b)

PLAN VIEW OF FACILITY, COMMENTS



ENTRY NO. **CU115** 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 nickles@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 production35% %

(c) maintenance5% %

(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 μ A

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

