

ENTRY NO. **CU132** Date 02-OCT-95
 Cyclotron Model 60-inch
 Institution Brookhaven National Laboratory
 Address Bldg. 901, Upton, New York 11973-5000
 Tel (516) 282-4587 Telex
 Fax (516) 282-7350 E-MAIL
 In Charge: J. S. Fowler Reported by: D. J. Schlyer

HISTORY

MILESTONE DATES:
 Installation 1963 First Beam 1968
 DESIGN/CONSTRUCTION BY: Collins Radio/BNL
 COST: Accelerator Facility
 FUNDED BY: DOE/NIH

STATUS

STAFF: Operators 1 Technicians 0
 BUDGET: Machine 200,000 Funded by
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) PET isotope production 5 %
 (b) Basic research 95 %
 (c) %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

| Accelerated Ions | E/A (MeV/u) | Current (part μ A) | |
|-------------------------------|-------------|------------------------|----------|
| | | Internal | External |
| (a) H ⁺ | 33 | 300 | 20 |
| (b) D ⁺ | 23 | 200 | 15 |
| He-3 | 50 | 200 | 10 |
| He-4 | 46 | 200 | 10 |
| 1994 μ A-hours on target: | | 1500 | |

FACILITIES

SHIELDED AREA: Fixed: 150 m² Moveable 0 m²
 Target Stations: 1 No. Served At Same Time: 1
 OTHER FACILITIES: shielded target cave

REFERENCES/NOTES

(a)
 (b)

PLAN VIEW OF FACILITY, COMMENTS