

ENTRY NO. CU13 Date
 Cyclotron Model RDS-112
 Institution McMaster University, Faculty of Health Science
 Address 1200 Main Street West, Hamilton, Ontario
 Tel (416) 521 2100 ext 5671 Telex
 Fax (416) 546 1125 EMAIL
 In Charge: Dr. Gunter Firnau Reported by: Dr. Gunter Firnau

HISTORY

MILESTONE DATES:
 Installation Sept-Nov. 1989 First Beam 6 December 1989
 DESIGN/CONSTRUCTION BY: Siemens-CTI
 COST: Accelerator approx. 2M Facility 5M
 FUNDED BY: Ontario Ministry of Health

STATUS

STAFF: Operators 0 Chemists 2 Technicians 2
 BUDGET: Machine none Funded by MRC, NSERC, other foundations
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Isotope production 95 %
 (b) Maintenance 5 %
 (c) %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

| Accelerated Ions | E/A (MeV/u) | Current(part μ A) | |
|-------------------------|-------------|-----------------------|----------|
| | | Internal | External |
| (a) H ⁺ only | 10.5MeV | 100 | 100 |
| (b) | | | |

1991 μ A-hours on target: 3245

FACILITIES

SHIELDED AREA: Fixed m² Moveable m²
 Target Stations: 4 No. Served At Same Time: 2
 OTHER FACILITIES:

REFERENCES/NOTES

(a) none
 (b)

PLAN VIEW OF FACILITY, COMMENTS

ENTRY NO. CU14 Date December 15, 1995
 Cyclotron Model IBA - Cyclone 18/9
 Institution MNI, McGill University
 Address 3801 University St, Montreal, Canada
 Tel 514-398-8526 Telex
 Fax 514-398-8195 E-MAIL MIRKO@PET.MNI.McGill.CA
 In Charge: Dr. M. Diksic Reported by: Dr. M. Diksic

HISTORY

MILESTONE DATES:
 Installation 1992 First Beam Oct. 1992
 DESIGN/CONSTRUCTION BY: IBA
 COST: Accelerator \$2,000,000 Facility \$ 4,000,000
 FUNDED BY: Montreal Neur. Inst, MRC & EJLB Foundation

STATUS

STAFF: Operators 1 Technicians 2
 BUDGET: Machine 100,000 Funded by MRC
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Research-neuroscience 80 %
 (b) Clinical 10 %
 (c) Maintenance 10 %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

| Accelerated Ions | E/A (MeV/u) | Current (part μ A) | |
|--------------------|-------------|------------------------|----------|
| | | Internal | External |
| (a) P ⁻ | 18 | 100 | 85 |
| (b) D ⁻ | 9 | 50 | 40 |

1994 μ A-hours on target: 10,000

FACILITIES

SHIELDED AREA: Fixed 200 m² Moveable m²
 Target Stations: 4 No. Served At Same Time: 2
 OTHER FACILITIES: Radiochemistry

REFERENCES/NOTES

(a)
 (b)

PLAN VIEW OF FACILITY, COMMENTS