

ENTRY NO. CU13 Date  
 Cyclotron Model RDS-112  
 Institution McMaster University, Faculty of Health Sciences  
 Address 1200 Main Street West, Hamilton, Ontario  
 Tel (416) 521 2100, ext 5671 Telex  
 Fax (416) 546 1125 EMAIL  
 In Charge: Dr. Günter Firnau Reported by: Dr. Günter 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, main-  
 tenance, etc.)  
 (a) Isotope production 95 %  
 (b) Maintenance 5 %  
 (c) %  
 (d) %  
 (e) %

**CHARACTERISTIC BEAMS**

Accelerated Ions	E/A (MeV/u)	Current(part $\mu$ A)	
		Internal	External
(a) H <sup>+</sup> only	10.5 MeV	100	100
(b)			

1991  $\mu$ A-hours on target: 3245

**FACILITIES**

SHIELDED AREA: Fixed m<sup>2</sup> Moveable m<sup>2</sup>  
 Target Stations: 4 No. Served At Same Time: 2  
 OTHER FACILITIES:

**REFERENCES/NOTES**

(a) none  
 (b)

**PLAN VIEW OF FACILITY, COMMENTS**

Entry: CU14 Date: July 1998  
 Machine Name: Cyclone 18/9  
 Cyclotron Model: Cyclone  
 Institution: Montreal Neurological Institute  
 Address: 3801 University, Montreal, P. Q.  
 Tel: 514-398-8526  
 Fax: 514-398-8195 Web:  
 E-mail: mirko@pet.mni.mcgill.ca  
 In Charge: Mirko Diksic

**HISTORY**

Installation: Aug. 92 First Beam: 25-01-1993  
 Design/Construction by: IBA  
 Funded by: MRC, EJLB Foundation

**USES**

Clinical 20 %  
 Research 80 %  
 %  
 %  
 %  
 Total time: 250 h/year

**CHARACTERISTIC BEAMS**

Ions/energy/current:  
 H- / max 18 MeV / 100 mA on stripper  
 D- / max 9 MeV / 35 mA on stripper

**EXPERIMENTAL FACILITIES**

**REFERENCES**

**PLAN VIEW OF FACILITY**

**COMMENTS**