

ENTRY NO. **CU68** Date *23/7/92*  
 Cyclotron Model **OSCAR**  
 Institution **NKK Corporation**  
 Address **2-1 SUEHIRO-CHO, TSURUMI-KU, YOKOHAMA 230 JAPAN**  
 Tel **81-45-505-7537** Telex  
 Fax **81-45-505-7553** EMAIL  
 In Charge: Reported by: **MICHIO SHIMIZU**

**HISTORY**  
 MILESTONE DATES:  
 Installation **JUNE 1991** First Beam **JULY 1991**  
 DESIGN/CONSTRUCTION BY: **OXFORD INSTRUMENTS**  
 COST: Accelerator Facility  
 FUNDED BY:

**STATUS**  
 STAFF: Operators **5** Technicians **3**  
 BUDGET: Machine Funded by  
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)  
 (a) Development of PET chemistry modules **90** %  
 (b) Neutron radio graphy (1993 - ) **0** %  
 (c) Maintenance **10** %  
 (d) %  
 (e) %

**CHARACTERISTIC BEAMS**

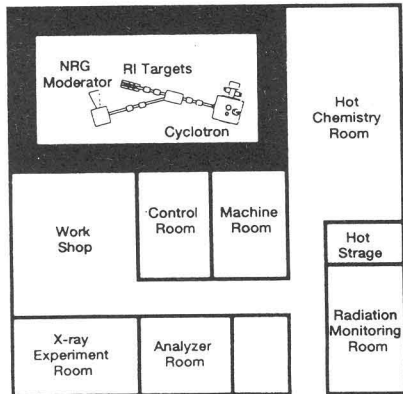
Accelerated Ions	E/A (MeV/u)	Current(part $\mu$ A)	
		Internal	External
(a) H	12	100	100
(b)			

1991  $\mu$ A-hours on target: **10,000**

**FACILITIES**  
 SHIELDED AREA: Fixed **72** m<sup>2</sup> Moveable **0** m<sup>2</sup>  
 Target Stations: **1** No. Served At Same Time: **1**  
 OTHER FACILITIES: **2**  
 Hot chemistry room **80** m<sup>2</sup>

**REFERENCES/NOTES**  
 (a)  
 (b)

**PLAN VIEW OF FACILITY, COMMENTS**



Entry: **CU69** Date: **29-05-98**  
 Machine Name:  
 Cyclotron Model: **Scanditronix MC-17F**  
 Institution: **PET-Center, Groningen University Hospital**  
 Address: **P.O. Box 30.001, 9700 RB Groningen, Netherlands**  
 Tel: **+31 50 361 3311**  
 Fax: **+31 50 361 1687** Web:  
 E-mail: **a.m.j.paans@pet.azg.nl**  
 In Charge: **A.M.J. Paans**

**HISTORY**  
 Installation: **1991** First Beam: **March 1991**  
 Design/Construction by: **Scanditronix**  
 Funded by: **University Hospital and University of Groningen**

**USES**  
 Production of PET radionuclides **11C, 13N, 15O, 18F**. **100** %  
 %  
 %  
 %  
 %  
 %  
 Total time: **1000** h/year

**CHARACTERISTIC BEAMS**  
 Ions/energy/current:  
 p, **17** MeV, **50**  $\mu$ A  
 d, **8.5** MeV, **50**  $\mu$ A

**EXPERIMENTAL FACILITIES**  
 Cyclotron + **8** target positions on target ladder  
 Radiochemical, radiopharmaceutical laboratories  
 PET-Scanners (Siemens Exact 951 and Siemens Exact HR+)

**REFERENCES**  
 Annual Reports PET-Center AZG/RUG

**PLAN VIEW OF FACILITY**

**COMMENTS**  
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