

ENTRY NO. CU68 Date Sept. 1995  
 Cyclotron Model Scanditronix MC 35  
 Institution Dept. of Physics, Univ. of Oslo  
 Address P.O. Box 1048, Blindern, 0316 Oslo, Norway  
 Tel 47 22 85 64 28 Telex  
 Fax 47 22 85 64 22 E-MAIL sveinn@fys.uio.no  
 In Charge: M.Guttormsen Reported by: S.Messelt

**HISTORY**

MILESTONE DATES:  
 Installation First Beam 1979  
 DESIGN/CONSTRUCTION BY: Scanditronix AB, Sweden  
 COST: Accelerator Nkr 6 mill. Facility 2 mill.  
 FUNDED BY: Univ. of Oslo and Norw. Res. Council

**STATUS**

STAFF: Operators 2 Technicians  
 BUDGET: Machine Nkr 0,6 mill. Funded by Univ. Res. Coun.  
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)

(a) Basic nuclear research	80	%
(b) Nuclear chem.	10	%
(c) Maintenance etc.	10	%
(d)		%
(e)		%

**CHARACTERISTIC BEAMS**

Accelerated Ions	E/A (MeV/u)	Current (part $\mu$ A)	
		Internal	External
(a) p	8 - 35		1-10
(b) $^3\text{He}$	4 - 15		0.1 - 3

1994  $\mu$ A-hours on target: 440

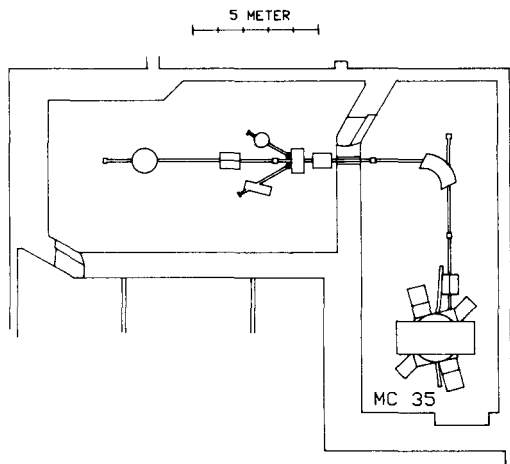
**FACILITIES**

SHIELDED AREA: Fixed 150 m<sup>2</sup> Moveable  
 Target Stations: 4 No. Served At Same Time: 1  
 OTHER FACILITIES:  $^3\text{He}$  recycling,  
 CACTUS/SIRI particle-gamma multidetector system

**REFERENCES/NOTES**

(a) Annual Reports 1979 - 94, Nuclear Physics Group, Univ. of Oslo

**PLAN VIEW OF FACILITY, COMMENTS**



ENTRY NO. CU70 Date  
 Cyclotron Model TCC Model CS-30  
 Institution King Faisal Specialist Hospital & Research Center  
 Address P.O. Box 3354, Riyadh 11211, Saudi Arabia  
 Tel 464-7272 Ext. 1770 Telex 401050 RYSPEC SJ  
 Fax 0-966-1-441-4839 EMAIL  
 In Charge: Edward D. Carroll Reported by: Salman Millebari

**HISTORY**

MILESTONE DATES: March  
 Installation Factory Test/1977 First Beam October 1981  
 DESIGN/CONSTRUCTION BY: The Cyclotron Corporation  
 COST: Accelerator Facility  
 FUNDED BY: Government of Saudi Arabia

**STATUS**

STAFF: Operators 4 Technicians 1  
 BUDGET: Machine Funded by  
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)

(a) Isotope Production	75	%
(b) Neutron Therapy	20	%
(c) Maintenance	5	%
(d)		%
(e)		%

**CHARACTERISTIC BEAMS**

Accelerated Ions	E/A (MeV/u)	Current(part $\mu$ A)	
		Internal	External
(a) p	26	200	60
(b) d	7	300	100
$^3\text{He}$	13	135	60
$^4\text{He}$	7	90	50

1991  $\mu$ A-hours on target:

**FACILITIES**

SHIELDED AREA: Fixed 190 m<sup>2</sup> Moveable 0 m<sup>2</sup>  
 Target Stations: 9 No. Served At Same Time: 1  
 OTHER FACILITIES: Isotope production  
 Isocentric neutron production

**REFERENCES/NOTES**

(a) IEEE Trans Nucl. Sci. NS-14, 70-71 (1967)  
 (b) NS-16, 500-503 (1969)

**PLAN VIEW OF FACILITY, COMMENTS**

