

ENTRY NO. CU61 **Date**

Cyclotron Model BC 168 Nippon Telegraph & Telephone Co.
 Institution Electrical Communications Laboratories
 Address Tokai, Ibaraki 319-11, Japan
 Tel +81 292 87 7586 Telex 3632650 IECL J
 Fax +81 292 87 7875 EMAIL

In Charge: T. Shigematsu Reported by: H. Yonezawa

HISTORY

MILESTONE DATES:
 Installation Oct. 1984 First Beam Oct. 1984
DESIGN/CONSTRUCTION BY: NTT Electrical Communications Labs
COST: Accelerator Facility
FUNDED BY:

STATUS

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

(a)	CPAA	50	%
(b)	RBS, PIXE	40	%
(c)	Micro-beam	10	%
(d)			%
(e)			%

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current(part μ A)	
		Internal	External
(a) p, d 1, 8-16, 3, 6-8		50	20
(b) ³ He, ⁴ He 5, 4-21, 6, 6-16		10	10

1991 μ A-hours on target:

FACILITIES

SHIELDED AREA: Fixed 70 m² Moveable m²
Target Stations: No. Served At Same Time:
OTHER FACILITIES:

REFERENCES/NOTES

- (a) H. Yonezawa, 11th Cyclotron Conf., 1986, p. 646
- (b)

PLAN VIEW OF FACILITY, COMMENTS

ENTRY NO. CU62 **Date**

Cyclotron Model JSW 1710
 Institution NRI (National Research Inst. Metals)
 Address 1-2-1 Sengen, Tsukuba, Ibaraki 305, JAPAN
 Tel (0298) 51-6311 Telex

In Charge: J. Nagakawa Reported by: J. Nagakawa

HISTORY

MILESTONE DATES:
 Installation April 85 - June 86 First Beam June 1986
DESIGN/CONSTRUCTION BY: JSW/JSW
COST: Accelerator \$1,750,000 Facility \$750,000
FUNDED BY: Science and Technology Agency, JPN Gov.

STATUS

STAFF: Operators 0 Technicians 0
BUDGET: Machine \$200,000 Funded by STA
TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)

(a)	Basic Research (Materials Science)	80	%
(b)	Maintenance	20	%
(c)			%
(d)			%
(e)			%

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current(part μ A)	
		Internal	External
(a) p/d 17/10		50 p/d	50 p/d
(b) He-3/He-4 26/20		20	20

1991 μ A-hours on target: 1.75 x 10e3

FACILITIES

SHIELDED AREA: Fixed 90 m² Moveable 0 m²
Target Stations: No. Served At Same Time:
OTHER FACILITIES:

REFERENCES/NOTES

- (a) Proc. 11th Int'l. Conf. on Cyclotron, 1986, p. 571
- (b) (H. Shiraishi, et al.)

PLAN VIEW OF FACILITY, COMMENTS

