

Entry: **CU95** Date: 10 June 1998
 Machine Name: NIH, TCC CS-30
 Cyclotron Model: The Cyclotron Corporation CS-30
 Institution: National Institutes of Health, Clinical Center
 Address: Bldg 10, Rm 1C401, Bethesda, MD 20892
 Tel: (301) 496-0345
 Fax: (301) 402-3521 Web: <http://www.nih.gov>
 E-mail: pp5s@nih.gov
 In Charge: Paul S. Plascjak

HISTORY

Installation: 1985 First Beam: acceptance, Mar, 1986
 Design/Construction by: The Cyclotron Corp/CTI
 Funded by: National Institutes of Health

USES

PET radioisotope production 85%..... %
 Therapeutic and research radioisotope production 15%..... %
 %
 %
 Total time: Beam time 950 h/y h/year

CHARACTERISTIC BEAMS

Ions/energy/current:

p 26.5 MeV, 200 μ A int, 60 μ A ext.....
 d 14.8 MeV 300 μ A int, 100 μ A ext.....
 He-3 38.1 MeV, 140 μ A int, 60 μ A ext,
 He-4 29.6 MeV, 100 μ A int, 40 μ A ext

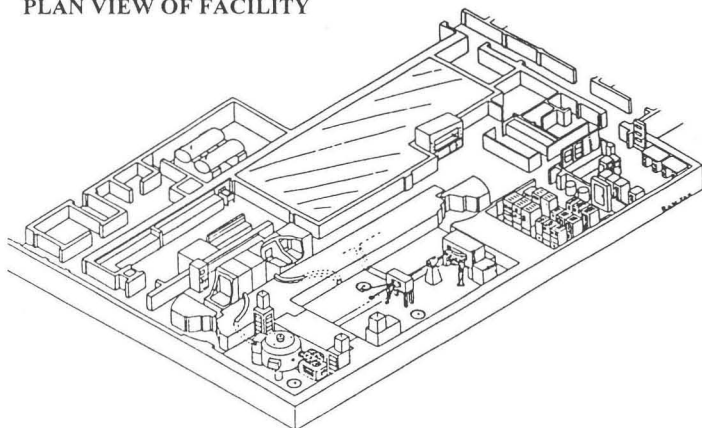
EXPERIMENTAL FACILITIES

Hot Cells, Radiogas delivery conduits

REFERENCES

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

PLAN VIEW OF FACILITY



NIH Cyclotron Facility B-3 Level

COMMENTS

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Entry: **CU96** Date: 10 June 1998
 Machine Name: NIH, Baby Cyclotron
 Cyclotron Model: JSW 1710
 Institution: National Institutes of Health, Clinical Center
 Address: Bldg 10, Rm 1C401, Bethesda, MD 20892
 Tel: (301) 496-0345
 Fax: (301) 402-3521 Web: <http://www.nih.gov>
 E-mail: pp5s@nih.gov
 In Charge: Paul S. Plascjak

HISTORY

Installation: 1985 First Beam: acceptance, Sept. 1985
 Design/Construction by: The Japan Steel Works
 Funded by: National Institutes of Health

USES

PET radioisotope production 95%
 Research radioisotope production 5%

 Total time: Beam time 1250 h/y h/

CHARACTERISTIC BEAMS

Ions/energy/current:

p 17.5 MeV, 50 μ A ext,
 d 9.8 MeV, 50 μ A ext

EXPERIMENTAL FACILITIES

Hot Cells, Radiogas delivery conduits

REFERENCES

The Operational Status of the National Institutes of Health
 Cyclotron Complex, Eleventh International Conference on
 Cyclotrons and Their Applications, Ionics Publ., Tokyo (1987)

COMMENTS

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