

ENTRY NO. CUI1 Date 1989
 Cyclotron Model TCC CV-28
 Institution Instituto de Engenharia Nuclear/CNEN
 Address Caixa Postal 2186, Rio de Janeiro, Brazil
 Tel (021) 280 3113 Telex 02121112
 Fax EMAIL
 In Charge: A.G. DaSilva Reported by: Jose A.D. Furlanetto

HISTORY

MILESTONE DATES:

Installation First Beam Dec. 1974
 DESIGN/CONSTRUCTION BY: TCC
 COST: Accelerator 0.5M US\$ Facility 1.2M US\$
 FUNDED BY: CNEN-Brazil, FINEP-Brazil

STATUS

STAFF: Operators Technicians 6
 BUDGET: Machine 80K US\$ Funded by CNEN-Brazil
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Basic Nuclear Physics 40 %
 (b) Isotope Production 40 %
 (c) %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current(part μ A)	
		Internal	External
(a) p	24	100	70
(b) $^3_2\text{He}, \alpha$	7	140	100

1991 μ A-hours on target:

FACILITIES

SHIELDED AREA: Fixed 50 m² Moveable 250 m²
 Target Stations: 5 No. Served At Same Time: 1
 OTHER FACILITIES: 2 scattering chambers, He jet transport system, neutron production and spect. station, radio-isotope production and separation cells, ion implantation station

REFERENCES/NOTES

- (a) A.G. da Silva et al, NIM A264 (1988) 381
- (b)

PLAN VIEW OF FACILITY, COMMENTS

ENTRY NO. CUI2 Date 1986
 Cyclotron Model TCC CV-28
 Institution Inst. de Pesquisas Ener. e Nucl. - CNEN/SP
 Address C.P. 11049, Cidade Univ., Sao Paulo, Brazil
 Tel 211-6011 Telex (011) 23592
 Fax EMAIL
 In Charge: G. Lucki Reported by: G. Lucki

HISTORY

MILESTONE DATES:

Installation First Beam 1981
 DESIGN/CONSTRUCTION BY: TCC
 COST: Accelerator 1M US\$ Facility 2M US\$
 FUNDED BY: Brazil Government

STATUS

STAFF: Operators 5 Technicians 2
 BUDGET: Machine 0.1M US\$ Funded by Brazil Govt.
 TIME DISTRIBUTION: (e.g. basic research, isotope production, maintenance, etc.)
 (a) Isotope Production 100 %
 (b) %
 (c) %
 (d) %
 (e) %

CHARACTERISTIC BEAMS

Accelerated Ions	E/A (MeV/u)	Current(part μ A)	
		Internal	External
(a) p	24	300	40
(b) $^3_2\text{He}, \alpha$	14	50	25

1991 μ A-hours on target:

FACILITIES

SHIELDED AREA: Fixed 80 m² Moveable 180 m²
 Target Stations: 2 No. Served At Same Time: 1
 OTHER FACILITIES:

REFERENCES/NOTES

- (a) G. Lucki et al, 4th Japan-Brazil Symposium on Science and Technology-Sao Paulo to Aug. 1984
- (b)

PLAN VIEW OF FACILITY, COMMENTS