

44 MeV LINAC (Main Hall)

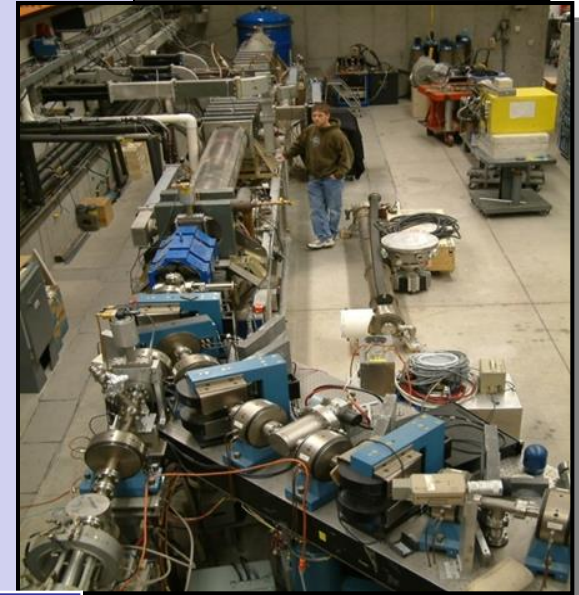
RF Frequency: 1300 MHz (L-Band)

Energy Range: ~2-44 MeV (current varies)

Pulse Width: ~60ps (Bunched only) to 2 micro seconds (certain discrete widths only)

Repetition Rate: single pulse to 180 Hz

Ports: 0 degree and 90 degree (Beam energy resolution ~ 1+/- 15%)



Pulse Width	Maximum Current	Charge/Pulse	Peak e-Dose	Peak Gamma Dose**
50ps	100A	5nC	2×10^{13} rads/s	2.5×10^8 rads/s
2ns	3A	20nC	1×10^{12}	1.2×10^7
20ns	1A	60nC	6×10^{11}	7.5×10^6
100ns	1A	100nC	2×10^{11}	2.5×10^6
2 μ s	0.5 A	2000nC	1×10^{11}	1.25×10^6