The current Scenario

(100 GeV Higgs Factory)

μ's/bunch:

In the Collider : 4×10^{12}
Losses in Acceleration (1/2) : 8×10^{12}
Losses in Cooling (1/2) : 16×10^{12}
Capture efficiency (1/2) : 32×10^{12}

Proton beam:

Pions/Protons (0.6) : $5.4 \times 10^{13} \Rightarrow$ 140 kJ
(16 GeV/c protons and $0.05 < p_\pi < 0.80$ GeV/c)
Bunches/Pulse (2) : 280 kJ
15 Hz Operation : 4 MW

Power on the Target:

Per Pulse : 28 kW
15 Hz Operation : 400 kW