Beampipe-averaged Cloud Density ($10^{12} \text{ m}^{-3}$)

![Graph showing beampipe-averaged cloud density over time.](image-url)
Macroparticle Statistics

Number of Macroparticles ($10^3$) vs Time (ns)

Time (ns)
Average current density hitting wall: $6748069 \, \text{nA/cm}^2$

Average power density hitting wall: $2228.3 \, \text{W/m}^2$
ECLOUD-Quad_4.0GeV: Cloud Density (e/m$^3$) Averaged Over 976.02 ns

Projection on X (cm)  

Projection on Y (cm)
ECLOUD-Quad_4.0GeV: Electron Energies (eV) Averaged Over 976.02 ns

Projection on X (cm)

Projection on Y (cm)
ECLOUD-Quad_4.0GeV: Electron Energies (eV) Averaged Over 976.02 ns
CesrTA dipole 4.0 GeV - Simulated Chicane RFA Collector Currents (μA)