

CeC status, 11/25/25

1. QE of the cathode stayed stable (0.5 – 0.6%)
2. Measured desirable beam parameters (20 A, slice emit < 1 um) when RHIC is at injection energy (closest to the CeC energy @ Gamma = 19.57).
3. 100% beam transmission to high power dump when RHIC is at injection energy.
4. Measured laser time jitter on slice energy (2.5 ps RMS jitter ~ 7.4e-5 RMS energy jitter < 1e-4 requirement)
5. Observe IR signal on Golay cell generated by electron beam with nominal RF setup (hand tuned magnet around nominal lattice).
Still no signal on bolometer.

