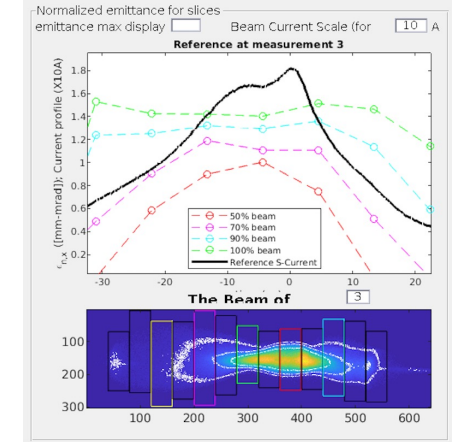
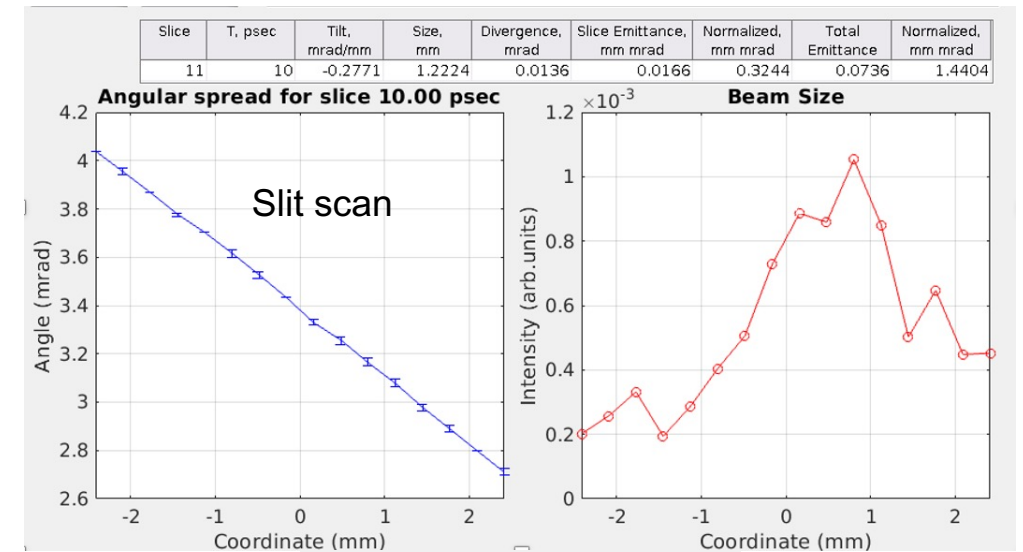


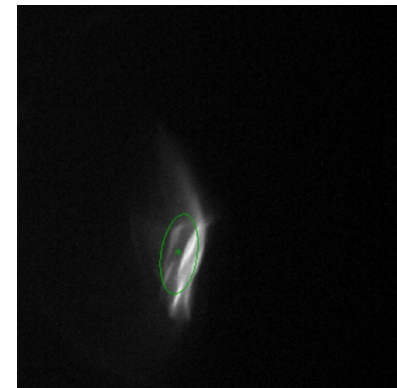
CeC status, 8/26/25

Continue work on setup to measure beam (slice) quality reliably

- Measured slice emittance varied from 1 μm to 1.8 μm , depending on orbit (into RFs), quad focusing (measurement resolution) and RHIC status (which might affect timing into RFs).
- We have not yet found a routine which gives same results repeatably (same setting on different days could have large difference in results).
- Beam has been propagated to high power dump in abort gaps. Lattice matching is ongoing to improve transmission.
- New garage of 4 Na cathodes preparation is done. Will set up for garage exchange during next maintenance.



Quad scan



Beam on dump
yag with 70-75%
transmission