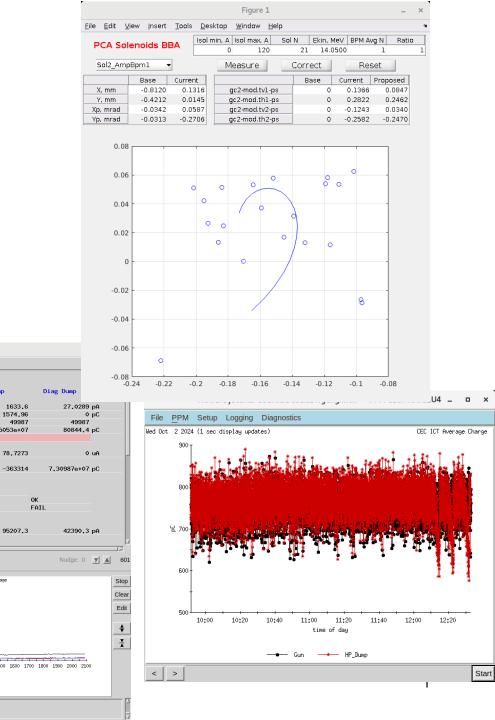
CeC status - 10.8.24

Activities in common section:

- Improve propagation (~ 100%) high current (1.5 nC + 50 kHz – half of CW operation) to high power beam dump.
- Align solenoids in the common section (~ 150 um, ~250 urad).
- IR diagnostics are yet to see signals from beam radiation.



/RHIC/Systems/CeC/Instrumentation/ICTs

1618,94

1521,2

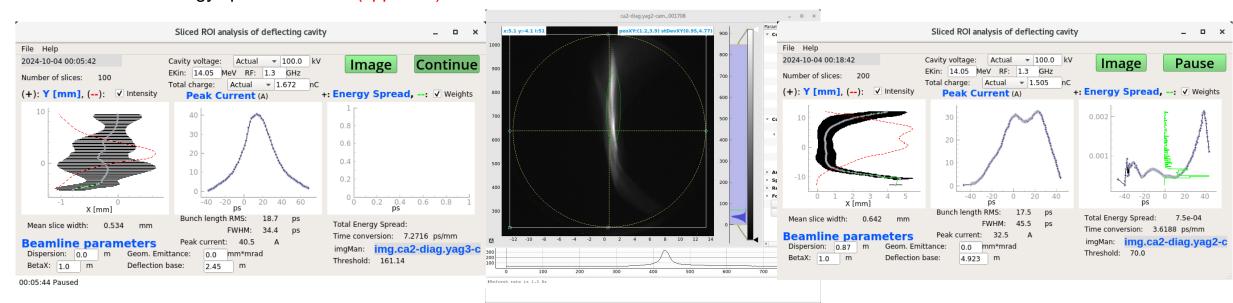
37001.2

Wed Oct 2 16;22;12 2024, cycle 1727900533

Wed Oct 2 16:03:25 2024: Get and Async requests complete

Beam parameters & KPP

- Ongoing work to continue to improve beam quality to meet KPP requirements.
- So far measured:
 - Full beam energy (gamme @ 28.5) projected emittance ~2
 3 um
 - Peak current after compression ~ 40 A (kpp 50 A)
 - RMS slice energy spread ~ 3.5e-4 (kpp 2e-4)



Triplet Quad 1 and Triplet PM

14.0500

of points

0.4500

1.8080

Save Data

2 3741

Measure

0.65

History.. Exceptions..

0.0833