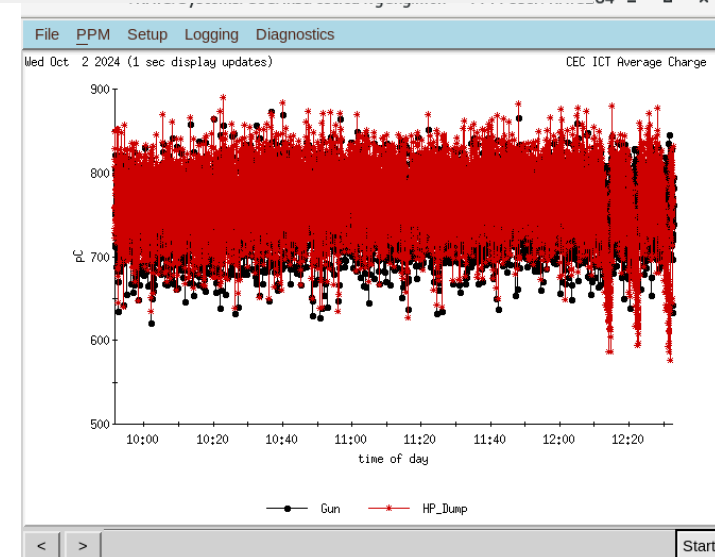
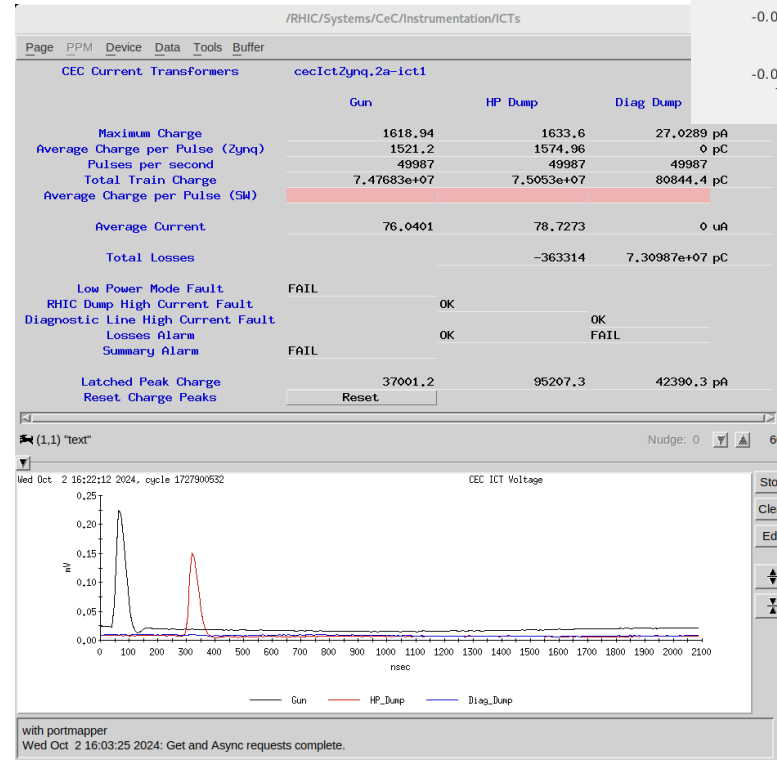
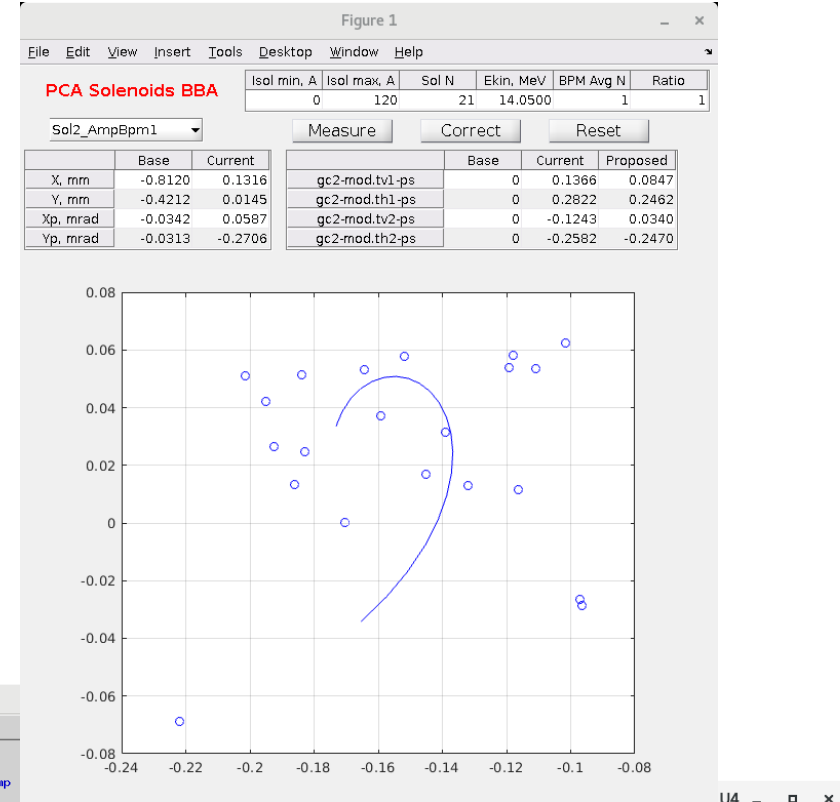


# CeC status – 10.8.24

## 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  $\mu\text{m}$ , ~250  $\mu\text{rad}$ ).
- **IR diagnostics** are yet to see signals from beam radiation.



# 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  $\mu\text{m}$
  - Peak current after compression ~ 40 A (kpp 50 A)
  - RMS slice energy spread ~  $3.5 \times 10^{-4}$  (kpp  $2 \times 10^{-4}$ )

