

# CeC status – 10/28/25

Restore CeC operation after He conditioning.

- We re-established measurements of beam's key performance parameters:
  - Peak current 18-20 A
  - Slice energy spread  $\sim 1.5e-4$
  - Slice emittance 0.8-0.9 mm mrad
  - Projected emittance  $\sim 1.1$  mm mrad
- We established initial condition of TWISS for core slice's of the beam for matching of slices into the PCA.
- SRF gun starts to have poor regulation on its amplitude (very large variation, sigma  $\sim 0.5$  kV, 10 kV p2p, mean  $\sim 1250$  kV). RF group is working on the control, later an air blower was found dying.

