

# Sept 2022 MDs - Brainstorming

- Two slots dedicated for “high-intensity” MDs
  - Sept 12 – Ramp high intensity + COAST MD
  - Sept 15 - jointly with COLDEX (replacement on Sept 28)
- Topics
  - Energy ramp with multi-bunches & batches. If MPP approval, cavities on at flattop
  - Beam loading verification with orbit bumps – (4-5 x 72 bunches)
  - Nominal vs 8b4e filling scheme, may try others with COLDEX
  - HOM measurements, parasitically both injection & ramp
  - Longitudinal CBI threshold ? requires degradation of damping
  - Transverse instabilities ? Input from WP2
  - Collimation/Halo, loss maps with crabbed bunch - injection
  - eCloud related studies ?
  - COAST MD – scan negative & higher strengths of octupoles, amplitude noise...