

CeC X status

- First indications of plasma-cascade amplifier (PCA) gain
- Unexpected puzzle – large difference between vertical and horizontal emittances (vertical is larger)
- Plans for week ahead:
 - 2 x 8 hrs CeC shifts (no hadron beam, RHIC magnets at pp collision current) for PCA tuning
 - Mo-We: 2 days (48 hrs) operation with ion beam at 26.5 GeV/u
 - Re-establish Au ion beam injection, ramp and store
 - Restore beam orbits in CeC section
 - Match γ -factors using recombination and optimize beam orbits
 - Restore PCA gain
 - If time allowed, attempt to observe interaction (cooling or heating) between electron and ion beam