

# Head-on beam-beam compensation with e-lenses in RHIC

(March. 21, 2008, 3:00pm-4:00pm, LCR room, ext:6363)

- 1) Progress report in e-lens design, EBIS experts ( 15 min. )
- 2) Action diffusion and emittance growth prediction from N. Abreu, ( 5 min. )
- 3) Multi-particle tracking from Yun, ( 5min )
- 4) Discussion (20 mins ):
  - documenting results ( motivation, layout, single particle stability, error effects, emittance prediction, multi-particle tracking, e-lens system, conclusion )
  - conclusions from single particle stability study
  - useful information from our multi-particle tracking
  - further simulations: error effects, phase advances