

ACCELERATOR SEMINAR

“Coherent Electron Cooling”

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An FEL-based Coherent Electron Cooling [CEC] promises to become a revolutionary cooling method capable of significant increase of luminosity in proton-proton colliders from RHIC to LHC. The CeC also promises to significantly improve luminosity of proposed electron-hadron collider eRHIC at BNL. In this talk, I will present the fundamentals of the CeC as well as current advances in the concept. I will also discuss plans for the proof-of-principle experiment at RHIC.

**Thursday, April 29, 2010
3:30 p.m. – 4:30 p.m.
CEBAF Center, Room A110**

**Coffee before Seminar
Beginning at 3:00 p.m.**