

# **ACCELERATOR SEMINAR**

## **“Preliminary Study of Beam-Beam Effect on Polarization in RHIC”**

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Beam-beam effect on polarization was observed at Petra and HERA a long time ago. Lately, RHIC polarized proton operation also showed a limited polarization lifetime in the presence of collision at store. Both direct effect of beam-beam on polarization, as well as, effect of beam-beam tune shift on depolarization were studied. Preliminary data analysis results of the latest RHIC polarized proton run will be presented.

**Thursday, Sept. 20, 2012  
11:00 a.m.  
CEBAF Center, Room F113**

**Coffee before seminar at 10:45 a.m.**