

ACCELERATOR SEMINAR

The 2015 eRHIC Ring-Ring Design

***Christoph Montag,
Brookhaven National Laboratory***

To minimize the technical risk of the future electron-ion collider eRHIC currently under study at BNL, the ring-ring scheme has been revisited over the summer of 2015. The goal of this study was a design that covers the full center-of-mass energy range from 32 to 141 GeV with an initial luminosity around $10^{33} \text{ cm}^{-2} \text{ sec}^{-1}$, upgradeable to $10^{34} \text{ cm}^{-2} \text{ sec}^{-1}$ later on. In this presentation the baseline design will be presented, and future upgrades will be discussed.

Thursday, November 5, 2015

11:00 a.m.

CEBAF Center, Room F113

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