**COMMISSIONING RHIC’S ELECTRON LENS**

**Abstract:**

The RHIC electron lens hardware and electron beam commissioning results to date are presented, as well as the first experience with the electron-hadron beam interaction in RHIC.

**Summary:**

In this report, the RHIC electron lens hardware and electron beam commissioning results to date are presented, as well as the first experience with the electron-hadron beam interaction in RHIC. Electron beam was propagated for several kinds of magnetic field setup; all instrumentation are tested except drift tube system; the demonstration of electron and gold beam overlap has been achieved via the electron backscattered detector; some preliminary experiments about e-lens and Au beam are also presented in this report. With this year's commissioning, the RHIC electron lenses are ready for the first RHIC head-on beam-beam compensation commissioning in the following year with proton beams.