



DoNuTS Technical Meeting

Time: 1600 Wednesday, 28 April 2010

Place: NE Conference Room, 1106 Etcheverry

Speaker: Mark Bandstra, UC Berkeley Physics

Subject: Soft gamma-ray observations of the Crab nebula
with the Nuclear Compton Telescope

The Nuclear Compton Telescope (NCT) is a balloon-borne soft gamma-ray (0.2→10 MeV) telescope designed to study astrophysical sources of nuclear line emission and polarization. NCT consists of ten high-purity germanium cross-strip detectors that measure both the position and energy of gamma-ray interactions. NCT was flown on May 17-18 2009 from the Columbia Scientific Balloon Facility in Fort Sumner, NM for a total duration of 37.5 hours. I will present some of the work I have been doing since the flight to calibrate the telescope, as well as a preliminary image of the Crab nebula, our primary target during the flight.