

Abstract Submitted  
for the APR08 Meeting of  
The American Physical Society

**Neutrino and Gamma Ray Fluxes derived from the HiRes Monocular Spectra** OLGA BRUSOVA, University of Utah, HIRES COLLABORATION  
— HiRes data led to the observation of the GZK cutoff. A direct implication of this observation is that cosmogenic neutrinos should exist. We use injection of protons from a uniform distribution of cosmic accelerators to generate input  $z$  dependent input spectra that are then propagated through the CMB and fit to the observed monocular spectra on earth. Each accelerator injects the same power law spectrum, and  $z$  evolution of the accelerator population is modeled as  $(1+z)^m$ . We present the resulting neutrino and gamma ray fluxes at the highest energies.

Kai Martens  
University of Utah

Date submitted: 13 Jan 2008

Electronic form version 1.4