

PHYSICS DEPARTMENT  
COLLOQUIUM

“Neutrinos at HiRes”

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Where do the highest energy cosmic rays (CR) come from? The HiRes results on energy and (chemical) composition of the highest energy particles in the universe have certainly changed the scientific debate about their origin. Highest energy neutrinos are an important link in the emerging picture. While HiRes was designed to measure the charged cosmic rays it does have sensitivity to neutrinos and may yet fill in another important piece of the cosmic ray puzzle. Motivated by a discussion of the monocular CR spectra obtained with HiRes, we derive criteria for a neutrino search in the HiRes data.

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