

## **CosI, a new approach to coherent neutrino detection at the SNS**

*Monday, 9 September 2013 15:20 (20 minutes)*

A new approach at detecting coherent neutrino-nucleus scattering with CsI[Na] scintillators will be described. The characterization of quenching factor, backgrounds and expected response for a 15 kg detector, to be installed at the SNS@ORNL will be discussed.

**Primary author:** COLLAR, Juan (University of Chicago)

**Presenter:** COLLAR, Juan (University of Chicago)

**Session Classification:** Low Energy Neutrinos I

**Track Classification:** Low-Energy Neutrinos (solar, reactor, supernova, and geo neutrinos and also nuclear astrophysics associated with these sources)