

## CNO Neutrinos and Metallicity of Stars

*Thursday 17 March 2016 12:10 (25 minutes)*

The detection of neutrinos resulting from the CNO cycle would be the first direct evidence of the nuclear process that is believed to fuel massive stars.

A precise measurement of the CNO solar neutrino fluxes would also help resolving the solar metallicity problem, as the predicted fluxes strongly depend on the inputs of the solar modelling.

In this presentation I will explain the connections between CNO neutrinos and solar metallicity, and review the experimental attempts to detect them.

**Primary author:** Dr DAVINI, Stefano (Gran Sasso Science Institute)

**Presenter:** Dr DAVINI, Stefano (Gran Sasso Science Institute)

**Session Classification:** Talks

**Track Classification:** Neutrino Physics