

## Invisibles 14 Workshop



ID de Contribution: 54

Type: **Non spécifié**

# Indirect detection of dark matter signatures at INO

*mardi 15 juillet 2014 17:30 (1 heure)*

Weakly Interactive Massive Particles (WIMPs) are among the most favored dark matter candidates. Their capture and subsequent annihilation at the center of

Sun/ Earth may give rise to neutrinos, through various annihilation channels. We look at the possibility of detection of such neutrinos at INO (India-Based Neutrino Observatory), which will house 50-kt Iron Calorimeter (ICAL). With the detection of such neutrinos we can reconstruct the nature of dark matter.

Based on work with Deepak Tiwari, Anushree Ghosh, Sandhya Choubey

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**Classification de Session:** Poster presentation