

Speaker: Prof. V.M. Datar, INO Cell, TIFR, Mumbai
Title: Some novel physics with ICAL at INO and a possible cryogenic Indium detector for solar neutrinos
Date: Friday, September 2, 2016
Time: 4pm
Venue: Main Lecture Theatre (AG-66), TIFR, Homi Bhabha Road, Colaba, Mumbai

Abstract:

I will discuss some of the sensitivity studies of the Iron Calorimeter (ICAL) detector at the India based Neutrino Observatory for magnetic monopoles, dark matter decay to muons and active-sterile neutrino mixing using atmospheric neutrinos. Finally I will also discuss a possible indium based detector for real time solar neutrino spectral measurements at high energy resolution.