

RCNP, OSAKA UNIVERSITY NUCLEAR PHYSICS EXPERIMENT SEMINAR

Title " Development of Instrumentation at TIFR for Gamma-ray Spectroscopy"
Speaker Prof. Rudrajyoti Palit
(Tata Institute of Fundamental Research, India)
Date and Time December 21st (Thur.) 2017 13:30PM-
Place Lecture room 1, 6th floor, RCNP Main Building

Abstract:

Upgrade plan for the Indian National Gamma Array (INGA) will be highlighted along with the proposed ancillary detectors. The array will be coupled with a 4pi array of CsI(Tl) detectors, 16 LaBr₃(Ce) detectors and a plunger system. The test results for the CsI(Tl) and LaBr₃(Ce) detectors will be presented. In addition, as a part of the Indo-FAIR collaboration, we are involved in the DEGAS (DESPEC Germanium Array Spectrometer) for the DESPEC (DECay SPECTroscopy) experiments at FAIR. Status of the Indian involvement will be summarised. Possibility of coupling the INGA and DEGAS type detectors will be also discussed for certain experiments.

Contact Person: Eiji Ideguchi (RCNP)