

High Energy Physics Seminar

Date: March 12, 2012 (monday)

Time: 2:30 pm

Venue: TBA

Speaker: Dr. B. Satyanarayana
(TIFR)

Title: A Summary of RPC2012

Abstract: Resistive Plate Chambers (RPCs) are fast, parallel plate, gaseous detectors which find extensive applications in nuclear, high energy and astro-particle physics experiments. Besides, they are increasingly replacing the existing detectors in the medical imaging, homeland security and other societal applications. Though these devices are more than three decades old, they seem to have deservedly reached the centre stage right now, thanks to their continued flawless performance in the previous experiments, exceeding their design goals in the just commissioned experiments as well as for being natural first choices for many planned experiments.

The eleventh edition of biennial RPC workshop was held in INFN, Rome last month, where the community has discussed their new results from the LHC experiments as well as precision measurements from many continuing experiments. Innovative device architectures, alternate gas mixtures, ultra-fast readout techniques and new simulation tools were some of the highlights of this workshop.

A brief summary of the RPC2012 workshop will be presented.

seminar coordinator: