

# BENEMÉRITA UNIVERSIDAD AUTÓNOMA DE PUEBLA



INSTITUTO DE FÍSICA  
“Luis Rivera Terrazas”



SEMINARIO  
“DR. JESUS REYES CORONA”

## “Cosmic ray physics with accelerator experiments”

Dr. Bruno Alessandro  
INFN-Universidad de Torino

The use of the sophisticated and large underground detectors at CERN for cosmic ray studies has been considered by several groups, e.g. UA1, LEP and LHC detectors. They offer the opportunity to provide large sensitivity area with magnetic analysis which allow a precise determination of the direction of cosmic ray muons as well as their momentum up to the order of some TeV. The aim of this talk is to review the observation of high energy cosmic ray events using precise spectrometers at CERN, mainly LEP detectors as well as the possibility of improve those measurements with LHC apparatus.

**Auditorio-IFUAP**

**Viernes 17 de Agosto de 2012**

**13:00 Hrs.**