



CERN Joint EP/PP Seminars

SPEAKER: Jan Fiete Grosse-Oetringhaus (CERN)
TITLE: **Charged-particle multiplicity at LHC energies**
DATE: Mon 22/03/2010 16:30
PLACE: Main Auditorium

ABSTRACT

The talk presents the measurement of the pseudorapidity density and the multiplicity distribution with ALICE at the achieved LHC energies of 0.9 and 2.36 TeV. An overview about multiplicity measurements prior to LHC is given and the related theoretical concepts are briefly discussed. The analysis procedure is presented and the systematic uncertainties are detailed. The applied acceptance corrections and the treatment of diffraction are discussed. The results are compared with model predictions. The validity of KNO scaling in restricted phase space regions is revisited.

Organised by: Michelangelo Mangano/PH-TH & Maria
Spiropulu/PH-EP
**Tea and Coffee will be served at 16:00