



UNIVERSITÀ DEGLI STUDI DI PERUGIA
DIPARTIMENTO DI FISICA E GEOLOGIA

AVVISO DI SEMINARIO

Dipartimento di Fisica e Geologia

mercoledì 23 marzo alle ore 15:00

aula A0, al piano 0 della sede di Fisica

Multiple Parton Interactions a different probe for hadron structure

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Abstract:

The phenomenology of the Multiple Parton Interactions is reviewed with particular emphasis on the most recent experimental progress at the Large Hadron Collider. The Multiple Parton Interactions are responsible for a variety of phenomena affecting both common and rare processes. They are invoked to describe the features of the generic interactions of small systems (pp and pA) as well as those events with one order of magnitude larger multiplicity where the well consolidated observation of long-range correlations still lacks of a widely agreed interpretation. The study of the rare events characterised by two (or more) hard interactions provides information on the hadronic matter distribution within the interacting particles as well as on its correlation aspects. Taking into account the presence of this additional source of Standard Model backgrounds, the so called Double Parton Scattering, is also becoming unavoidable in view of the Very High Luminosity phase of the LHC.

Il seminario è parte dell'offerta formativa per la scuola di dottorato

L'invito a partecipare è esteso a tutti gli interessati