

INVITADO: Umberto d'Alesio (Universita di Cagliari)

TÍTULO: Transverse spin effects in hadronic processes: role of intrinsic transverse momenta

LUGAR: FACULTAD DE CIENCIAS FÍSICAS UCM

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ABSTRACT

Transverse single spin asymmetries observed in (semi-)inclusive particle production at high energy show amazing and challenging features. We present, within a QCD approach based on transverse momentum dependent parton distributions (TMDs), a way to describe and understand them. We then discuss how TMDs, allowing a three-dimensional picture, can deepen our comprehension of the internal structure of nucleons, in particular concerning their transverse spin content. Recent theoretical developments and perspectives are given.