SEMINARIO DEL DEPARTAMENTO DE FÍSICA TEÓRICA

6 de Mayo de 2009, 15 h., C-XI aula 201

Transverse Single Spin Asymmetries in Hard Scattering Processes

Umberto D'Alesio

Università di Cagliari e INFN Sezione di Cagliari

Abstract: I review the present understanding of azimuthal and single spin asymmetries for inclusive and semi-inclusive particle production in unpolarized and polarized hadronic collisions at high energy and moderately large transverse momentum. After summarizing the experimental information available, I give a quick overview of the main theoretical approaches formulated in the framework of perturbative QCD.

I then focus on the approach based on a generalization of the parton model with inclusion of spin and intrinsic transverse momentum effects, discuss its phenomenology and the main results so far obtained.

Más información: http://www.ft.uam.es/docencia/seminarios.html