



ID de Contribution: 49

Type: Oral presentation

Quarkonium production in pp and ep collisions within a TMD approach

mardi 23 juillet 2019 10:12 (15 minutes)

We will consider quarkonium production in proton-proton and lepton-proton collisions, within a TMD approach. We will discuss the relative role of the NRQCD color-singlet and color-octet production mechanisms both in the unpolarized cross section and in the transverse single-spin asymmetries. Focus will be put on linearly polarized gluons in unpolarized and transversely polarized targets as well as on the gluon Sivers function. Their process dependence will be also addressed.

Author: D'ALESIO, Umberto (Physics Department Cagliari University and INFN Cagliari)

Co-auteurs: Dr MURGIA, Francesco (INFN Cagliari); PISANO, Cristian (University of Cagliari); Dr SANGEM, Rajesh (Physics Department, University of Cagliari and INFN Cagliari); Dr TAELS, Pieter (INFN Cagliari)

Orateur: D'ALESIO, Umberto (Physics Department Cagliari University and INFN Cagliari)

Classification de Session: Parallel session A

Classification de thématique: Physics