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Possible solution of J/psi polarization puzzle in the CGC+NRQCD approach

Studies of heavy quarkonia production in the hadronic collisions are a very good tool for testing various aspects of QCD. Despite many theoretical attempts, the long-standing problem of J/psi's polarization has resisted solution. We present our recent study on the J/psi polarization observables λ 's in a Color Glass Condensate (CGC) + Nonrelativistic QCD (NRQCD) approach. Comparisons with LHCb and ALICE data on J/Psi are shown that indicate quite good agreement with the data – further test of this approach in high multiplicity proton-proton and proton-nucleus collisions are discussed.

Primary authors: STEBEL, Tomasz (Institute of Nuclear Physics PAN); VENUGOPALAN, Raju (Brookhaven National Laboratory); MA, Yan-Qing (PKU)

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