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EIC and the Odderon: exclusive productions of χ_c charmonia

Exclusive χ_c mesons production in DIS is sensitive to the C-odd colorless exchange at high energy, the Odderon. In our recent work we performed a computation of the χ_{cJ} ($J = 0, 1, 2$) exclusive production that takes into account the interference with the photon exchange, which is an irreducible background. We give a prediction of number of events one can expect at the EIC. In the low- t region a contribution from the spin dependent Odderon is closely related to the gluon Sivers function, we provide an estimate of this contribution as well.

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