

Searching for the odderon in the exclusive vector meson hadroproduction

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The J/ψ and Υ production in high energy proton-proton and proton-antiproton collisions is studied. Estimates are presented of the odderon-Pomeron and photon-Pomeron contributions to these production processes at the Tevatron and at the LHC. Differences between the kinematical distributions of the produced mesons are pointed out that should allow to distinguish between the photon and the odderon contributions. Uncertainties of the estimates are discussed.

Author: MOTYKA, Leszek (Hamburg University)

Presenter: MOTYKA, Leszek (Hamburg University)

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