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Exclusive photoproduction of quarkonium at the LHC energies within the color dipole approach

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In this contribution we present our recent results for the coherent photoproduction of vector mesons psi(1S), psi(2S) and Upsilon (1S) in the hadron-hadron and nucleus-nucleus collisions in the LHC energies. Predictions for the rapidity distributions are presented using the color dipole formalism and including saturation effects that are expected to be relevant at high energies. Comparison is done to the J/psi and Psi(2S) photoproduction data from LHCb Collaboration on proton-proton collisions at 7 TeV and data from ALICE collaboration on lead-lead reactions at 2.76 TeV. Predictions are performed for the Upsilon states in proton and nucleus target as well.

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