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## Gluon saturation effects on the color singlet J/Psi production in high energy dA and AA collisions

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We discuss the gluon saturation/color glass condensate effects on J/Psi production in high energy pA and AA collisions. We report the results of numerical calculations of the corresponding nuclear modification factors. We found a good agreement between our calculations and the experimental data on J/Psi production in pA collisions. We also observe that cold nuclear modification effects alone cannot describe the data on J/psi production in AA collisions. Our numerical calculations indicate that the discrepancy arises in a significant part from the higher  $p_T$ 's. Additional final state suppression (at RHIC) and enhancement (at LHC) mechanisms are required to explain the experimental observations.

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