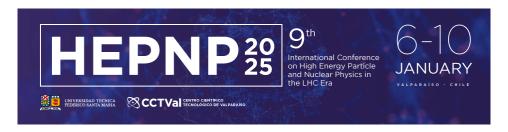
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Exclusive Vector Meson Production in Ultraperipheral Proton-Nucleus Collisions

We analyze the production of vector mesons ρ and J/Ψ in ultraperipheral proton-nucleus collisions with center of mass energies \surd

s = 5, 02 TeV and $\sqrt{}$

s = 8, 16 TeV. We calculate

the differential cross sections using three phenomenological models that take into account the effects of parton saturation, and we present predictions for pCa and pP b collisions. We compare our predictions with the latest data from the CERN-LHC CMS collaboration. We demonstrate that the models are able to describe the data at small values of t. However, we observe a suppression compared to the limited available data at large values of t. We conclude that a future experimental analysis of the region of large t values is necessary for a more precise comparison between different approaches for the saturation regime.

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