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Quarkonia production in pPb collisions at CMS C. CHRISTOPHER FERRAIOLI[1], University of Maryland, CMS COLLABORATION — The CMS experiment at the LHC has measured quarkonia production in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV. The results provide an important baseline for ultrarelativistic heavy-ion collisions by investigating cold nuclear matter effects on quarkonia production. The behavior of quarkonia production is studied as a function of transverse momentum and pseudorapidity and shows suppression relative to proton-proton collisions in specific phase spaces, suggesting the presence of nuclear effects.

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