

Abstract Submitted
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Exploring QCD in ultraperipheral collisions with production of leading J/ψ meson MARK STRIKMAN, Pennsylvania State University — We review several possibilities for probing QCD dynamics in ultraperipheral heavy ion collision with J/ψ production. We argue that rapidity gap events in γp and γA scattering allow to study the BFKL dynamics, as well as dynamics of propagation of small dipoles through nuclei. At the same time coherent and quasielastic J/ψ production in γA scattering provide a unique information about gluon shadowing at small x and moderate virtualities.

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