

# Diffractive gluon production at high parton density

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We calculate multiplicity and spectrum of diffractively produced gluons in onium-nucleus collisions which include the low- $x$  evolution in all rapidity intervals. We demonstrate that the diffractive gluon production exhibits a characteristic dependence on energy, rapidity, transverse momentum and atomic number that opens a new avenue towards the phenomenological applications in eA and pA collisions.

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