Abstract Submitted
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Photon-jet angular correlations in proton-nucleus collisions[1] JAMAL JALILIAN-MARIAN, The Graduate Center, City University of New York — We calculate the double differential cross section for production of a photon and a quark jet in high energy proton-nucleus collisions in a new formalism that includes contributions of both small and large x gluons of the target. This allows us to investigate photon-jet angular correlations in both low and high transverse momentum region which would help clarify the role of saturation dynamics in the current experiments at RHIC and the LHC.

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