

10th International Conference on Hard and Electromagnetic Probes of High-Energy Nuclear Collisions



Contribution ID: 6

Type: **Oral Presentation**

Photon-jet angular correlations in high energy proton-nucleus collisions: from low to high transverse momenta

Thursday, June 4, 2020 1:30 PM (20 minutes)

We calculate the double differential cross section for production of a quark parton and a photon in proton-nucleus collisions using a newly proposed formalism which generalizes the Color Glass Condensate approach by including large x gluons of the target. We investigate transverse momentum, rapidity and A dependence of azimuthal angular correlations between the produced parton and the photon in different collision kinematics.

Collaboration (if applicable)

Track

New Theoretical Developments

Contribution type

Contributed Talk

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Session Classification: Parallel

Track Classification: New Theoretical Developments