



Contribution ID: 207

Type: **Talk**

## **Photon-hadron production and angular correlations in high energy proton-nucleus collisions**

*Thursday 15 July 2021 18:00 (15 minutes)*

We use a recently proposed formalism which includes both small and large  $x$  gluons of a target nucleus (or proton) to calculate the photon-parton production cross section. This allows one to investigate azimuthal angular correlations between the produced photon and parton from low to high  $p_t$ , as well as the forward-backward rapidity correlations between the them.

### **Preferred track**

Forward & Diffractive Physics

**Primary author:** JALILIAN-MARIAN, Jamal (Baruch College)

**Presenter:** JALILIAN-MARIAN, Jamal (Baruch College)

**Session Classification:** Forward and diffractive physics

**Track Classification:** Forward and diffractive physics