

# NLO predictions for dijet photoproduction at the EIC

*Wednesday 21 March 2018 10:00 (30 minutes)*

We present NLO predictions for dijet photoproduction cross sections at a future EIC. Similarly to inclusive jet production in DIS that we studied previously, dijet photoproduction is shown to constrain nuclear PDFs (in particular the one of the gluon) in a way that is complementary to the information from inclusive DIS. The process is also sensitive to photon PDFs, as has already been discussed elsewhere, although only at LO.

**Author:** KLASSEN, Michael

**Presenter:** KLASSEN, Michael