



Contribution ID: 45

Type: **not specified**

## A complete picture of photon-initiated production at the LHC

*Tuesday, November 19, 2019 4:45 PM (25 minutes)*

In this talk we present results of a new calculation and Monte Carlo implementation of photon-initiated production in LHC proton-proton collisions. This includes a precise, differential evaluation of both inclusive and semi-exclusive channels, that is with and without rapidity gaps in the final state. Details of the underlying formalism as well as phenomenological results will be presented.

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**Session Classification:** MPI & Small-x & diffraction

**Track Classification:** MPI & Small-x & diffraction