



Contribution ID: 14

Type: **not specified**

## High precision QCD amplitudes

*Wednesday 31 March 2021 16:12 (6 minutes)*

Due to increasing precision of measurements at the Large Hadron Collider, high precision theoretical calculations are necessary for validation of the Standard Model of Elementary Particles predictions. In recent years, photon production processes have played an important role, especially in relation to Higgs boson phenomenology. In my research, I am using broad range of state-of-the-art methods in order to compute fully differential cross section for photon production at high perturbative order.

**Presenter:** BARGIELA, Piotr (Univeristy of Oxford)

**Session Classification:** Student Session