



Contribution ID: 1568

Type: **Oral Presentation**

## **Z+jet production at NNLO (15' + 5')**

*Thursday, 4 August 2016 14:45 (20 minutes)*

We present the complete calculation of the NNLO QCD corrections to the hadronic production of a charged lepton pair in association with a jet. Our results comprise various kinematical distributions that are of importance at the LHC and a significant reduction of the residual scale uncertainty is observed throughout. The corrections to differential distributions are not always uniform and imply the need of such a fully differential computation for precision applications.

**Primary author:** Dr HUSS, Alexander (ETH Zurich)

**Presenter:** Dr HUSS, Alexander (ETH Zurich)

**Session Classification:** Strong Interactions and Hadron Physics

**Track Classification:** Strong Interactions and Hadron Physics