MCnet meeting



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ATLAS V+jets and Heavy Flavour modelling

Overview of the current state of V+jets and heavy flavour production modelling and measurement at the LHC by the ATLAS detector. An overview of the MC generators and setups currently used by ATLAS, discussion of their performance compared to existing data and an outline of future measurements planned or in progress. In addition, a specific look at heavy flavour production modelling, the current modelling issues observed, the associated systematic uncertainties on MC modelling and future plans for measurements to constrain this. These processes are important backgrounds for several LHC measurements and searches. For example, precise measurement of VH(H->bb) production is a very important Run 2 goal allowing accurate observation of the Higgs coupling to fermions for the first time. V+jets (including heavy flavour) production is a dominant background in this measurement and the associated MC modelling uncertainty is one of the dominant uncertainties.

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