

W+charm associated hadroproduction: relevance of Shower Monte Carlo effects

Recently data on W + D meson and W + c-jet production have started to be included in some PDF fits, mainly because of their potential for constraining the strange quark PDFs.

In this poster we present predictions for W + D-meson and W + c-jet production with NLO QCD accuracy matched with parton shower. We show how including the latter effects is fundamental in order to provide consistent comparisons with the current experimental data from the ATLAS and CMS collaboration, as required for non-biased extractions of the strange and antistrange quark PDFs.

Submitted on behalf of a Collaboration?

No

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