



Contribution ID: 957

Type: **Parallel Talk**

The updates of CTEQ-TEA Parton Distribution Functions

Friday, 7 July 2017 17:45 (25 minutes)

We present the updates of CTEQ-TEA parton distribution functions (CT17 PDFs). Previous LHC 7 TeV and HERA 1 data, included in the CT14 PDF analysis, are superseded by HERA 1+2 and new LHC data, especially on W boson, Z boson, inclusive jet, and top quark differential distributions. We also discuss the possibility of a (sizable) non-perturbative contribution to charm parton distribution function in the context of CTEQ-TEA (CT14IC) global analysis at the NNLO.

Experimental Collaboration

Primary author: Dr YUAN, C.-P. (Michigan State University)

Presenter: Dr YUAN, C.-P. (Michigan State University)

Session Classification: QCD and hadronic physics

Track Classification: QCD and Hadronic Physics