

XXIV International Workshop on Deep-Inelastic Scattering and Related Subjects (DIS16)



Contribution ID: 206

Type: **not specified**

Nuclear parton distributions from the nCTEQ group

Wednesday, 13 April 2016 11:40 (15 minutes)

We present the nCTEQ15 global analysis of nuclear parton distribution functions (nPDFs). The main addition to the previous nCTEQ analysis is the introduction of PDF uncertainties based on a modified Hessian method. Another important improvement is the inclusion of pion production data from RHIC providing additional constraints on gluon PDF. In this presentation we briefly discuss the framework of our analysis and concentrate on the comparison of our results with those of other groups providing nPDFs. Additionally we present predictions for selected results from the LHC heavy ion collisions.

Primary author: KUSINA, Aleksander (LPSC Grenoble)

Presenter: KUSINA, Aleksander (LPSC Grenoble)

Session Classification: WG1 Structure Functions and Parton Densities

Track Classification: Structure Functions and Parton Densities