POETIC VI

September 7th-11th 2015
Palaiseau, France

6th International Conference on Physics Opportunities at an Electron-Ion Collider

Contribution ID: **30**   Type: **Oral Presentation**

nCTEQ15 nuclear parton distributions with uncertainties

Wednesday 9 September 2015 11:50 (25 minutes)

We present the first official release of the nCTEQ nuclear parton distribution functions with errors. The main addition to the previous nCTEQ PDFs is the introduction of PDF uncertainties based on the Hessian method. Another important addition is the inclusion of pion production data from RHIC giving us a handle to constrain 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 nuclear parton distributions.

Author: KUSINA, Aleksander (LPSC Grenoble)

Presenter: KUSINA, Aleksander (LPSC Grenoble)

Session Classification: PDFs

Track Classification: PDFs and nPDFs, FFs and jets