

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



Contribution ID: 169

Type: **not specified**

The CJ15 PDFs

Tuesday, April 12, 2016 11:40 AM (15 minutes)

We present a new set of leading twist parton distribution functions, referred to as “CJ15”, which take advantage of developments in the theoretical treatment of nuclear corrections as well as new data. The analysis includes for the first time data on the free neutron structure function from Jefferson Lab and new high-precision charged lepton and W -boson asymmetry data from Fermilab. These significantly reduce the uncertainty on the d/u ratio at large values of x and provide new insight on the partonic structure of bound nucleons.

Primary author: ACCARDI, Alberto (Hampton U. and Jefferson Lab)

Co-authors: OWENS, Jeff (Florida State U.); MELNITCHOUK, Wally (Jefferson Lab)

Presenter: ACCARDI, Alberto (Hampton U. and Jefferson Lab)

Session Classification: WG1 Structure Functions and Parton Densities

Track Classification: Structure Functions and Parton Densities