

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



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## The CJ15 PDFs

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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.

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