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nCTEQ nuclear PDFs for the LHC

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We update nCTEQ global analysis of Parton Distribution Functions (PDFs). We use global χ^2 minimization and Hessian formalism to determine the best fit and the PDF error set. The fit is performed at next-to-leading order (NLO) using neutral current deeply inelastic scattering (DIS), and Drell-Yan data for several nuclear targets. The results are also ready to be used in analysis of the recent LHC heavy ion data.

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