Nuclei polarized structure functions

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We present the results of our QCD analysis for quark distributions and structure functions for poarized deep inelastic scattering of leptons and nucleons and nuclei. New parametrization are derived for quark and gluon distributions using the Jacobi polynomials up to NLO approximation [1]. By having proton and also neutron structure function, We have enough motivation to extract polarized nuclei structure function. Our results are in good agreement with the other theoritical models.

[1] S. Atashbar Tehrani and Ali N. Khorramian, JHEP 0707, 048 (2007).

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