

# BEACH 2010 - IX International Conference on Hyperons, Charm and Beauty Hadrons



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## Target mass corrections for polarized structure functions

Polarized deep inelastic scattering (DIS) data are analyzed in leading and next-to-leading order of QCD within the common 'standard' scenario of polarized parton distributions. Due to recent high precision measurements in COMPASS we also present an updated, more accurate, version of our calculations. We perform a global fit to the existing data including mass corrections and we study the effect of these corrections on physically interesting quantities. We conclude that mass corrections are generally small, and compatible with current estimates of higher twist uncertainties, when available.

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