

Longitudinal spin structure of the nucleon at COMPASS

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The study of the longitudinal spin structure is one of the main objectives of the COMPASS experiment at CERN. It achieves this objective via spin-dependent measurements, both inclusive and semi-inclusive. In this talk, I will first present the final results obtained by inclusive measurements, including the spin dependent structure function g_1 and derivatives obtained from it. Secondly, I will give a summary of our Semi-Inclusive DIS measurements, and on the improved the flavour-by-flavour knowledge of the spin structure these allow. Last, I will report on our latest results concerning the gluon polarisation, obtained via high- p_T hadron production in the DIS and photoproduction regimes.

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