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Measurements of transverse momentum dependent effects in SIDIS at COMPASS

An important part of the physics programme of the COMPASS experiment at CERN consists in the measurement of transverse spin and transverse momentum effects in Semi-Inclusive Deep Inelastic Scattering (SIDIS) of high energy muons off unpolarised and transversely polarised nucleons.

In this talk, the most relevant new results on SIDIS off unpolarised protons and transversely polarised deuterons will be reviewed.

The perspectives and the implications for the extraction of transversity and of the transverse momentum-dependent parton distribution functions will also be discussed.

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