

# Overview of Spin Studies at COMPASS

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## Summary

Recent results on the spin structure of the nucleon from the COMPASS experiment at CERN will be presented. The gluon polarization in the nucleon was determined using open charm production and high transverse momentum hadron pair production in polarized muon scattering off longitudinally polarized target. The helicity distributions for the three lightest quark and antiquark flavours were extracted. Progress in the determination of quark fragmentation functions were also made via the measurement of pion and kaon multiplicities. Using transversely polarized deuteron and proton targets, the quark transversity distributions as well as the Sivers function and other Transverse Momentum Dependent

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