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Transversity and Λ polarization at COMPASS

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Due to their self-analyzing decay, the polarization of Λ hyperons has often been indicated as a possible way to access the transversity function $h_1^{\{q\}}(x)$ in SIDIS, where it comes coupled to the chiral-odd $H_1^{\{\Lambda/q\}}(z)$ fragmentation function. Such Λ transversity-transmitted polarization has been measured in COMPASS using the data collected with a transversely polarized proton target and a 160 GeV muon beam. The results on the polarization, extracted as function of Bjorken x , relative energy z and Λ transverse momentum p_{\perp} , are presented together with their interpretation.

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