

Study of Λ polarisation at HERMES

TBA (On Behalf of the HERMES Collaboration)

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Longitudinal and transverse Λ polarisation have been measured at the HERMES experiment. The data were accumulated in the years 1996-2000 using the 27.5 GeV polarised HERA positron beam and polarised or unpolarised hydrogen and deuterium targets. The longitudinal spin transfer coefficient measured in the semi-inclusive deep inelastic scattering regime is compatible with zero in a wide range of the fractional Λ energy z . The transverse polarisation of Λ hyperons produced inclusively in quasi-real photoproduction is measured to be positive, in contrast to the negative values obtained with high-energy proton beams.