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Lambda polarization

Lambda and antiLambda hyperon polarization data obtained in the HERMES experiment at 27.57 GeV positron beam are overviewed. The spin transfer from the longitudinally polarized beam D_{ll} has been measured in DIS regime. Kinematical dependencies of spin transfer coefficient D_{ll} are presented.

Transverse Lambda and antiLambda polarization and spin transfer coefficient K_{ll} from longitudinally polarized target to Lambda produced inclusively in quasi-real photon-nucleon scattering have been studied for series of nucleus target in a wide range of atomic numbers A . Dependencies of the Lambda and antiLambda polarization on kinematical variables, and also A -dependence of Lambda polarization is discussed.

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