

# BEACH 2010 - IX International Conference on Hyperons, Charm and Beauty Hadrons



Contribution ID: 68

Type: **not specified**

## 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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