

# **A-dependence of the Beam-Spin Asymmetry in the DVCS**

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For the first time, azimuthal beam-spin asymmetries have been measured in electroproduction of hard exclusive photon on nuclei ranging from Deuterium to Xenon. The data were accumulated by the HERMES experiment at HERA/DESY in the years 1996-2004 by scattering the 27.6 GeV lepton beam off an internal gas target. The asymmetries on the coherent process for D,  $^4\text{He}$ , N, Ne, Kr and Xe have been extracted and compared to the Proton beam-spin asymmetry as function of the Mandelstam variable  $t$ . The A-dependence of the ratio of the beam-spin asymmetry on nuclei to that on the proton is evaluated and compared to GPD model predictions.