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## Recent Results of the Jefferson Lab SANE experiment

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The Spin Asymmetries of the Nucleon Experiment (SANE) ran at Jefferson Lab and measured double spin asymmetries for inclusive electron scattering on a proton target which was polarized parallel and perpendicular to the polarized electron beam. SANE used a large acceptance detector package to measure the proton's polarized spin structure functions  $g_1$  and  $g_2$  in a range of Bjorken  $x$ ,  $0.3 < x < 0.8$ , and a range of  $Q^2$  from to  $1.8\text{GeV}^2$  up to  $6.5\text{GeV}^2$ . Complementary measurements were made simultaneously with the standard Hall C small acceptance High Momentum Spectrometer. Within the operator product expansion framework, the twist-3 matrix element,  $d_2^p = \int x^2(2g_1 + 3g_2)dx$ , is proportional to the average color Lorentz force on the quark (moving in the infinite momentum frame) the instant after being struck by a virtual photon. In addition to presenting the latest results on spin structure functions, we will discuss the physics impact and  $Q^2$  dependence of  $d_2^p$ .

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