

Abstract Submitted  
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**Spin Asymmetry on the Nucleon Experiment** HOVHANNES BAGHDASARYAN, University of Virginia, SANE COLLABORATION — The Spin Asymmetry on the Nucleon Experiment (SANE) is a measurement of the spin structure function  $g_2^p$  and  $A_1^p$  over a broad range of Bjorken scaling variable  $x$  from 0.3 to 0.8, for four-momentum transfers from 2.5 GeV<sup>2</sup> to 6.5 GeV<sup>2</sup>. The experiment measured inclusive double spin asymmetries using TJNAF polarized electron beams of about 4.7 and 5.9 GeV energies, scattered off UVA solid polarized NH<sub>3</sub> target. The experiment took place from January to March of 2009. We will discuss the physics motivation for SANE and current status of the analysis, energy resolution and kinematic coverage.

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