

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 will measure inclusive double spin asymmetries using TJNAF polarized electron beams of about 4.8 and 6 GeV energies, scattered off UVA solid polarized NH<sub>3</sub> target. The experiment will take place in 2008. We will discuss the physics motivation for SANE as well as the proposed experimental arrangement, and expected results.

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