## Abstract Submitted for the APR20 Meeting of The American Physical Society

J/psi p Scattering Length from GlueX Threshold Measurements¹ IGOR STRAKOVSKY, George Washington Univ, DENIS EPIFANOV, Budker Institute of Nuclear Physics SB RAS, Novosibirsk 630090, Russia, LUBOMIR PENTCHEV, Thomas Jefferson National Accelerator Facility, Newport News, Virginia 23606, USA — The quality of the recent GlueX J/psi photoproduction data from Hall D at Jefferson Laboratory and the proximity of the data to the energy threshold, gives access to a variety of interesting physics aspects. As an example, an estimation of the J/psi-nucleon scattering length |J/psip|is provided within the vector meson dominance model. It results in |J/psip| (3.08 +- 0.55(stat:) +-0.42(syst:)) mfm which is much smaller than a typical size of a hadron.

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Igor Strakovsky George Washington Univ

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