

Abstract Submitted  
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**GW Data Analysis Center and Database Development**<sup>1</sup> W.J. BRISCOE, H. HABERZETTL, M.W. PARIS, I.I. STRAKOVSKY, R.L. WORKMAN, Institute for Nuclear Studies & Department of Physics, The George Washington University, Washington, DC 20052, USA — The Data Analysis Center (DAC) of the Institute for Nuclear Studies (formerly the Center for Nuclear Studies) at The George Washington University houses the SAID facility. It constitutes a dedicated center that joins experimental, theoretical, and phenomenological efforts to support the national physics program for a variety of reactions of import to nucleon-resonance phenomena and nuclear physics generally. A renaissance in light-hadron spectroscopy is underway as a continuous stream of precision polarization data issues from existing and planned precision electromagnetic facilities, including the coming Jefferson Lab 12-GeV upgrade. Additionally, neutron-proton scattering, the *primary standard* in measurements involving neutron-induced nuclear reactions, is under continual analysis and refinement. Through the ongoing maintenance of SAID, the DAC is making significant progress in its program to enhance and expand the partial-wave analyses of fundamental two- and three-body reactions (pion-nucleon, gamma-nucleon, and nucleon-nucleon) by maintaining and augmenting the analysis codes and databases associated with these reactions. These efforts provide guidance to experimental groups both nationally and internationally.

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