

Abstract Submitted
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The Effect of Recent Pion Photoproduction Data on the SAID and MAID Analyses¹ WILLIAM BRISCOE, RICHARD ARNDT, MARK PARIS, IGOR STRAKOVSKY, RONALD WORKMAN, Center for Nuclear Studies, The George Washington University — Major experimental contributions to the SAID Pion Photoproduction data base from JLab, Mainz, Bonn, LNS, and Spring-8 have recently been published or are about to be published. These data significantly constrain the SAID and MAID Partial-Wave Analyses. Yet there are still disagreements between the two analyses, especially in their predictions for double scattering channels. Three of these laboratories (JLab, Mainz, and Bonn) are in a position to perform “complete” experiments on complementary pion channels and in overlapping energy ranges. Latest Partial-Wave Analysis results will be compared to the latest published data and similarities and differences between SAID and MAID will be discussed.

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