



Exclusive pion photoproduction on bound neutrons

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Abstract. An overview of the GW SAID group effort to analyze pion photoproduction on the neutron target was given. The disentangling of the isoscalar and isovector EM couplings of N^* and Δ^* resonances requires compatible data on both proton and neutron targets. The final-state interactions play a critical role in the state-of-the-art analysis in extraction of the $\gamma n \rightarrow \pi N$ data from the deuteron target experiments. Then resonance couplings determined by the SAID PWA technique are compared to previous findings. The neutron program is an important component of the current JLab, MAMI-C, SPring-8, ELSA, and ELPH studies.

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