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Why We Need Neutron Data for Pion Photoproduction[1] IGOR STRAKOVSKY, WILLIAM BRISCOE, MICHAEL DORING, RONALD WORKMAN, The George Washington University — An overview of the GW SAID group effort to analyze new pion photoproduction on neutron-target. The main database contribution came from the recent CLAS and MAMI unpolarized and polarized measurements. The differential cross section for the processes $\gamma n \rightarrow \pi N$ was extracted from new measurements accounting for Fermi motion effects in the impulse approximation (IA) as well as NN and πN effects beyond the IA. The EM resonance coupling results are compared to other recent studies.

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