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Deuteron Momentum Distributions WILLIAM FORD, University of Tennessee, SABINE JESCHONNEK, Ohio State University, J. WALLACE VAN ORDEN, Old Dominion University and Jefferson Laboratory — A primary goal of deuteron electrodisintegration is determining the momentum distribution. Due to the extensive model inputs that are required to describe this process, extracting the momentum distribution is fraught with difficulty. We present a method of investigating the momentum distribution by performing the extraction with a wide variety of model constituents including various wave functions, form factors, and final state interactions. This method provides a systematic way to investigate the distribution, and provides theoretical uncertainty due to model inputs.

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