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A systematic study of excited-state effects on nucleon axial form factors

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We extend our study of excited-state effects on nucleon vector form factors to the case of the axial vector and pseudoscalar form factors. Combining information from a variety of different ratios of two- and three-point functions, we are able to extract the form factors G_A and G_P over a range of momentum transfers Q^2; together with the use of different methods to suppress excited-state contaminations this allows us to systematically study the effect of excited states.

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