



High Energy Physics - Lattice

The $\Delta(1232)$ axial charge and form factors from lattice QCD

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We present the first calculation on the Δ axial-vector and pseudoscalar form factors using lattice QCD. Two Goldberger-Treiman relations are derived and examined. A combined chiral fit is performed to the nucleon axial charge, N to Δ axial transition coupling constant and Δ axial charge.

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