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Prediction of coupling constant ratio values in the octet hyperon EM structure Unitary and Analytic models

Thursday 6 February 2020 10:00 (30 minutes)

Utilizing the SU(3) invariant vector-meson-baryon interaction Lagrangian, the knowledge of the invariant vector-meson coupling constants f_v and the numerical values of nucleon coupling constant ratios, specified in a comparison of the nucleon EM structure Unitary and Analytic model with all existing data on nucleon EM form factors, the coupling constant ratio values in all hyperon EM structure Unitary and Analytic models are evaluated numerically.

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