

Electromagnetic transitions of $\Delta(1232)$ resonance with a point-form relativistic quantum mechanics

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The electromagnetic transition amplitudes of the Δ resonance are calculated in using a point form relativistic quantum mechanics. The relativistic effects incorporated in the electromagnetic matrix elements, give a good description of the electromagnetic transitions amplitudes of the $\Delta(1232)$ resonance, reproducing well the Q^2 behavior of the data, a part from the low Q^2 one.