

Weak nonleptonic decays of Ω_c^0 baryon to axial-vector meson

Thursday, 4 June 2015 15:30 (30 minutes)

The axial-vector-emitting weak hadronic decays of the Ω_c^0 baryon are investigated. After employing the factorization and the pole model framework to predict their branching ratios, we derive the symmetry-breaking effects on axial-vector-meson-baryon couplings and effects of flavor dependence on baryon-baryon weak transition amplitudes and, consequently, on their branching ratios.

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