

Exotic heavy hadrons with a three-body nature

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Recently, we have studied several three-body systems made of heavy mesons, like DDK , $KD\bar{D}^*$, $DK\bar{K}$, $ND\bar{D}^*$ and we have predicted the formation of nucleon and K^* states with hidden charm, a D meson state with a mass around 2900 MeV as well as an exotic state with charm +2 and strangeness +1. The three-body T -matrices have been determined by solving the Faddeev equations in a coupled channel approach and all input two-body scattering matrices have been obtained by solving Bethe-Salpeter equations for different channels coupling to same quantum numbers. In this talk, I shall discuss these results.

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