

Charm baryons and hidden-charm pentaquarks

Content

In this contribution, we discuss the internal structure of heavy baryons and the different interpretations of the internal structure of hidden-charm pentaquarks. We present the hidden-charm pentaquarks as superpositions of meson-baryon channels coupled to a $uudc\bar{c}$ compact core by employing an interaction satisfying the heavy quark and chiral symmetries. Our model can reproduce the masses and decay widths of $P_c^+(4312)$, $P_c^+(4440)$ and $P_c^+(4457)$ with the dominant components of $\Sigma_c\bar{D}$ and $\Sigma_c\bar{D}^*$.

Summary

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