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Ratios of Hidden-Charm Pentaquark Decay Widths in Compact Diquark Model

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A number of resonances compatible with a hypothesis of hidden-charm pentaquark was observed by the LHCb Collaboration. We interpret these narrow resonances as compact hidden-charm diquark-diquark-antiquark pentaquarks. Within this assumption, an interplay between the charmonium and open-charm modes is considered. Ratios of such modes is estimates for non-strange and strange pentaquarks are obtained and discussed.

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