A model study of tetraquark and pentaquark states

Assuming the X(4140) and Pc(4312) to be $cs\bar{c}\bar{s}$ tetraquark and $c\bar{c}uud$ pentaquark states, respectively, we estimate masses of other tetraquark and pentaquark states. Their rearrangement decays are also considered in a simple scheme. Combining information from spectra and widths, we may understand part of observed exotic states in the compact picture.

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