

Hidden charm pentaquarks and tetraquark states

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In the past decade many charmonium-like states were observed experimentally, including many charmonium-like XYZ states and the hidden-charm pentaquark states $P_c(4380)$ and $P_c(4450)$. We systematically investigate their mass spectra using the method of QCD sum rules. Especially, we pay attention to their internal structure by constructing all the relevant local hidden-charm tetraquark and pentaquark currents. Through these currents, we also investigate their possible decay modes.

Authors: CHEN, Hua-Xing (Beihang University); CHEN, Wei (University of Saskatchewan); LIU, Xiang (Lanzhou University); Prof. ZHU, Shi-Lin (Peking University)

Presenter: CHEN, Hua-Xing (Beihang University)

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