

The Diquark-Antidiquark Picture of Kaon-like Resonances

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Motivated by the discovery of several kaon-like states observed at BESIII and LHCb, this study explores S, P and D wave tetraquark states with quark contents $s\bar{s}\bar{q}\bar{q}$ and $s\bar{q}\bar{q}\bar{q}$ using potential-based phenomenology. The tetraquarks are modeled as diquark-antidiquark systems in $[\bar{3}]_c \otimes [3]_c$ and $[6]_c \otimes [\bar{6}]_c$ color configurations. A comparison with experimentally observed states is provided to enhance our understanding of light-light tetraquark systems with non-homogeneous quark compositions.

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