

Quark composition and color structure of heavy-heavy mesons and tetraquarks

Tuesday, 4 August 2020 17:00 (20 minutes)

We explore the quark composition of bottomonium bound states and resonances with $I = 0$ and $L = 0$ using lattice QCD static potentials from a previous study of string breaking and the Born-Oppenheimer approximation. We also compare the relative importance of meson-meson and diquark-antidiquark creation operators for the lattice QCD static potential relevant for $b\bar{b}u\bar{d}$ tetraquarks with $I = 0$.

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