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Lattice QCD searches for tetraquarks containing charm quarks

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We present searches for tetraquarks in lattice QCD with quark content $cc\bar{q}\bar{q}$ and isospin-1 $c\bar{c}q\bar{q}$ which are especially of relevance to the experimentally observed charged Z_c states. Utilising the variational method, we employ a large bases of operators consisting of diquark-antidiquark and meson-meson operators. We show the spectra determined across a range of channels. We discuss extending our study to the isospin-0 $c\bar{c}q\bar{q}$ sector.

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