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Recent results on excited hadrons in 2-flavor QCD

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We present results of meson and baryon spectroscopy using the Chirally Improved Dirac operator on lattices of size 163×32 with two mass-degenerate light sea quarks and two+one valence quarks. Several configuration ensembles with pion masses ranging from 300 to 550 MeV and lattice spacings close to 0.15 fm are investigated. The analysis of the states is done with the variational method, allowing for determination of ground states and excitations in several channels. We discuss the possible signal of scattering states in various channels, considering masses and eigenvectors.

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talk

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