

## Updated spectroscopy for SU(3) with eight fundamental flavors

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I present updated spectroscopy results from the LSD collaboration on SU(3) gauge theory with  $N_f = 8$  degenerate fermions in the fundamental representation, using nHYP-smeared staggered fermions. The new results include added statistics, a more sophisticated systematic error analysis, and the use of joint fits to stabilize estimates of the  $0^{++}$  scalar meson mass. We find persistent evidence for a very light  $0^{++}$  scalar, roughly degenerate with the pions and far below the rest of the spectrum. A detailed comparison with the  $N_f = 4$  theory using the same lattice action is also presented.

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