

The hadron spectrum from twisted mass QCD with a strange quark

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Abstract: Various suggestions exist for incorporating the strange quark into twisted mass QCD. One option for quenched simulations is to employ two twisted doublets, (u,d) and (c,s), with separate twist angles. Working in the isospin limit, preliminary results for the quenched spectrum of strange hadrons will be reported, with both twist angles tuned to $\pi/2$. Splittings among the mass multiplets provide some insight into the symmetry breaking effects of twisted mass lattice QCD.