

Meson spectrum of improved staggered fermions

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Abstract: We calculate the mass of pion multiplets using HYP staggered fermions. We used two different sources to implement the cubic symmetry on the sources. We also applied both the Klubers tern method and the Golterman method to construct the sink operators. The results are compared with one another. This calculation is done at $\beta = 6.0$ in quenched QCD.