

The static quark potential in 2+1 flavour Domain Wall QCD from QCDOC

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Abstract: We present results for the static quark potential and studies of scaling in 2+1 flavour Domain Wall QCD with several gauge actions. We have simulated several lattice spacings and different sea quark masses on a volume of $16^3 \times 32$ and a fifth dimension of size 8. Lattice spacings in the range $a^{-1} \approx 1.6$ to 1.8 GeV were used.