

The Pion Vector Form Factor from Lattice QCD at the physical point

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We present a Lattice QCD investigation of the pion electromagnetic form factor based on gauge configurations generated by Extended Twisted Mass Collaboration with $N_f = 2+1+1$ dynamical quark flavors. The calculation is carried out at two different lattice spacing values directly at the physical point. Employing Wilson clover twisted mass fermions at maximal twist guarantees $O(a)$ improved results. We present a preliminary continuum extrapolation of the form factor and compare to the experiment. In addition, we provide an estimate of the pion charge radius.

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