Abstract for an Invited Paper for the APR09 Meeting of The American Physical Society

Recent Developments in Lattice QCD

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Recent results in lattice QCD are reviewed, including the first complete calculations of the nucleon mass, and several results essential to flavor physics. We shall also discuss the decay of a D_s meson to a lepton and neutrino, where the standard model (relying on a lattice QCD calculation) disagrees with corresponding experimental measurements at the 3σ level.