



Contribution ID: 432

Type: **Parallel Session Talk**

Continuum limit results from 2+1 flavor Domain Wall QCD

Friday 23 July 2010 16:15 (30 minutes)

Quantum Chromodynamics with two mass degenerate light quark flavors and an additional single heavier quark flavor has been simulated on the lattice using the domain wall fermion formulation. These simulations cover a range of dynamical pion masses between 300 and 420 MeV and were performed at two different values for the lattice spacing with $1/a=1.73$ and 2.32 GeV and a linear lattice extent of 2.8 fm. This talk will focus on the determination of the kaon bag parameter B_K and the semi-leptonic kaon form factor K_{l3} . The various methods for extrapolating these quantities to the limit of physical light quark mass will be evaluated.

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Session Classification: 09 - Progress in Lattice Techniques and New Results

Track Classification: 09 - Progress in Lattice Techniques and New Results