Contribution ID: **20** Type: **not specified**

Kaon physics from lattice QCD

Wednesday 28 July 2010 14:00 (1 hour)

Enhanced algorithms and multi-teraflops computer resources are making an increasing range of kaon physics accessible to lattice QCD. After an overview of the RBC/UKQCD chiral fermion simulation program, results will be presented for f_K/f_pi, B_K and the complex amplitude A_2 determining Delta I = 3/2, K -> pi+pi decay. Initial work and prospects for the similar Delta I = 1/2 K -> pi+pi amplitude will also be described.

Presenter: CHRIST, Norman (Columbia University)