Columbia University
Department of Physics

Theory Seminar

"Precision physics from Lattice QCD"

The increasing precision of Lattice QCD enables the contribution the best theoretical input for a number constraints on CKM physics. I discuss in particular the Kl3 semileptonic form factor and the standard model and beyond standard model Kaon bag parameters. Precise Lattice QCD simulations are the result of improved theoretical approaches for renormalisation of lattice operators, state of the art numerical algorithms and powerful computers. I discuss recent advances in each of these areas.

Peter Boyle,
University of Edinburgh

Monday, January 28, 2013 / 831 Pupin Hall / 2:10PM