

Chiral Fermions

Monday 2:10 - 3:50 Shigemi Ohta

Maxwell Lecture Theatre

Stefano Capitani Pion form factor with chirally improved fermions
Jan Wennekers Scaling tests for overlap fermions
Christof Gattringer Remnant index theorem and low-lying eigenmodes for twisted mass fermions
Eigo Shintani Neutron electric dipole moment on lattice QCD
Benjamin Svetitsky Localization of lattice fermions: lessons for overlap

Wednesday 9:00 - 10:40 Robert Mawhinney

Maxwell Lecture Theatre

Pushan Majumdar First results from dynamical chirally improved fermions
Silvia Necco Low-mode averaging for baryon correlation functions
Kenji Ogawa Meson correlators in a finite volume near the chiral limit
Stanislav Shcheredin Low Energy Constants from the zero mode contribution to the pseudo-scalar correlator
Azusa Yamaguchi Chiral condensate and spectral flows on 2+1 flavours Domain Wall QCD from QCDOC

Thursday 2:10 - 3:50 Herbert Neuberger

Maxwell Lecture Theatre

Tanmoy Bhattacharya Towards a chiral gauge theory by deconstruction in AdS₅
Daisuke Kadoh A practical construction of U(1) chiral lattice gauge theories
Wolfgang Bietenholtz Overlap hypercube fermions in QCD with light quarks
Thomas DeGrand Simulation of dynamical overlap fermions: Physics results
Stefan Schaefer Simulation of dynamical overlap fermions: techniques

Friday 4:20 - 6:00 Tom DeGrand

Maxwell Lecture Theatre

Peter Boyle Localisation and chiral symmetry in 2+1 flavour domain wall QCD
Keh-Fei Liu Non-exotic 1^{++} Mesons from Overlap Fermion
Mikhail Polikarpov Localization of Low Lying Eigenmodes for Chirally Symmetric Dirac Operator
Christian Hoelbling UV-filtered overlap fermions
Balint Joo Schur Complement Approaches to the Overlap Fermion Operator
Robert Edwards Comparison of Chiral Fermion Methods

Posters

Michael Creutz Isospin breaking and the chiral condensate
Terrence Draper Locality and Scaling of Quenched Overlap Fermions
Philipp Huber Low energy constants from the Chirally Improved Dirac operator D_{CI}
Yoshio Kikukawa Numerical implementation of U(1) chiral lattice gauge theories in two-dimensions
Hideo Matsufuru Overlap fermion with topology conserving gauge action
Wolfgang Ortner Implementing Hybrid Monte Carlo with stout-smearred chirally improved Dirac operators
Charles Roberts Non-perturbative renormalisation for overlap fermions