

Lattice Meets Continuum: QCD Calculations in Flavour Physics



Monday, 29 September 2014 - Thursday, 2 October 2014

Kulturhaus Lyz (Siegen)

Scientific Programme

Heavy-to-Heavy Transitions: B \rightarrow D, D*, D Form Factors from Lattice Calculations**

Andreas S. Kronfeld (Fermilab)

B \rightarrow D, D*, D Form Factors: Non-Lattice Calculations**

Paolo Gambino (INFN)

HQET Computations on the Lattice

Rainer Sommer (DESY)

HQE Matrix Elements: Continuum Approaches

Sascha Turczyk (Universität Mainz)

Heavy Quark Masses from Lattice QCD

G. Peter Lepage (Cornell U., LNS)

Heavy Quark Mass Determination: Non-lattice Methods

Vincent Mateu (Universität Wien)

Lattice Calculations for Heavy-to-Light Transitions

Junko Shigemitsu (DESY, Zeuthen)

Heavy-to-Light Transitions in Continuum QCD

Nils Offen (Universität Regensburg)

Unstable Hadrons on the Lattice B \rightarrow V Form Factors

Matthew Wingate (University of Cambridge)

Form Factors for B \rightarrow π π l ν Decays

Christoph Hanhart (Universität Bonn)

Nonlocal Matrix Elements on the Lattice

Paula Perez-Rubio (Universität Regensburg)

Nonlocal Matrix Elements in the Continuum QCD

Guido Bell (University of Oxford)

Neutral Meson Mixing on the Lattice

Amarjit Soni (BNL)

Neutral Meson Mixing

Uli Nierste (KIT, Karlsruhe)

Methods for Analytical Calculations

Christoph Lehner (BNL)

Continuum Methods and Applications for Lattice Theory

Christian Sturm (Universität Würzburg)

Uncertainties of Lattice Computations; Report from FLAG

Stephan Dürr (Universität Wuppertal)

Uncertainties of Continuum QCD Calculations

Vladimir Braun (Universität Regensburg)

Perturbative Contributions to Rare B-meson Decays

Mikolaj Misiak (University of Warsaw)

Charm Physics on the Lattice

Andreas Jüttner (University of Southampton)

Two-Point Correlators at Short Distances

Shoji Hashimoto (KEK)

Gluon Condensates as Susceptibility Relations

Roman Zwicky (University of Edinburgh)