

Theoretical and Experimental Particle Physics Parallel Session

Monday, July 6

Session I: (Flavor and Color)

Building 1b, Upper Floor, Seminar Room 4a

Chair: Ahmed Ali (DESY)

- 14:00-14:20** Satoshi Mishima (DESY)
Resolution of the $B \rightarrow \pi\pi, \pi K$ puzzles
- 14:20-14:40** Andrea Almasi (Hamburg)
Theoretical aspects of fermion flavour mixing
- 14:40-15:00** David Costa (Lisbon)
Reconstruction of Quark Mass Matrices with Weak Basis Texture Zeroes
- 15:00-15:20** Giampiero Mancinelli (LHCB)
New Physics in rare processes
- 15:20-15:40** Martin Spinrath (Munich)
New GUT predictions for quark and lepton mass ratios
confronted with phenomenology

15:40-16:20 Coffee Break

Chair: Achim Geiser (DESY)

- 16:20-16:40** Aran Garcia-Bellido (CDF/D0)
Production and properties of top
- 16:40-17:00** Yuji Omura (Kyoto)
Flavor Symmetry Breaking and Vacuum Alignment on Orbifolds
- 17:00-17:20** Slava Krutelyov (ATLAS-CMS)
Flavour physics at LHC (b, top)
- 17:20-17:40** Steffen Schumann (Heidelberg)
Multijet events at hadron colliders
- 17:40-18:00** Arnd Meyer (CDF/D0)
Searches

Session II: (Neutrinos and Light Exotics)

Building 1b, Upper Floor, Seminar Room 4b

Chair: Andreas Ringwald (DESY)

- 14:00-14:20** Jesse Wodin (EXO)
Double beta decay
- 14:20-14:40** Heinrich Paes (Dortmund)
Neutrinoless double beta decay in the LHC era
- 14:40-15:00** Octavian Micu (Dortmund)
Explaining LSND and MiniBooNE using altered neutrino dispersion relations
- 15:00-15:20** Albert Villanova del Moral (Lisbon)
Lepton flavour violating slepton decays to test type-I and II seesaw at the LHC
- 15:20-15:40** Motohiko Yoshimura (Okayama)
Atomic neutrino mass spectroscopy
- 15:40-16:20** Coffee Break
- 16:20-16:40** Axel Lindner (ALPS)
Searches for axions and the likes
- 16:40-17:00** Clare Burrage (DESY)
New Astrophysical tests for Axion-like Particles
- 17:00-17:20** Javier Redondo (DESY)
The rich phenomenology of light hidden U(1)s
- 17:20-17:40** Mark Goodsell (Paris)
Light hidden U(1)s in string compactifications
- 17:40-18:00** Felix Bruemmer (Durham)
Minicharges and Magnetic Monopoles
- 18:00-18:20** Michele Redi (Lausanne)
 10^{32} Dark Sectors
- 18:20-18:40** Pratik Majumdar (IceCube)
Neutrinos in Amanda and Icecube
- 18:40-19:00** Rouzbeh Allahverdi (Albuquerque)
Sneutrino Dark Matter and Ice Cube

Tuesday, July 7

Session: (Collider I)

Building 1b, Upper Floor, Seminar Room 4a

Chair: Georg Weiglein (Durham)

- 14:00-14:20** Carsten Hensel (CDF/D0)
Electroweak measurements at Tevatron
- 14:20-14:40** Giovanni Pruna (Southampton)
Probing the Z-prime sector of the minimal B-L model at future Linear Colliders in the " $e^+e^- \rightarrow \mu^+\mu^-$ " process
- 14:40-15:00** Alberto Ruiz-Jimeno (CDF/D0)
Higgs searches at the Tevatron
- 15:00-15:20** Radja Boughezal (Zurich)

- EW effects in Higgs production and a new prediction for $gg \rightarrow H$ in SM
15:20-15:40 Rebeca Gonzalez Suarez (ATLAS-CMS)
 EW symmetry breaking at LHC
- 15:40-16:20** Coffee Break
- 16:20-16:40** Kentaru Mawatari (Heidelberg)
 Jet angular correlation in vector-boson fusion processes at the LHC
- 16:40-17:00** Daniel Litim (Sussex)
 Signatures of Quantum Gravity at the LHC
- 17:00-17:20** Yutaka Sakamura (RIKEN)
 Weak boson scattering in gauge-Higgs unification

Thursday, July 8

Session: (Flavor II)

Building 1b, Upper Floor, Seminar Room 4a

Chair: Robin Devenish (Oxford)

- 14:00-14:20** Eduardo Cortina Gil (NA48)
 Search on new Physics in kaon decays
- 14:20-14:40** Gabriele Simi (Barbar):
 Rare Processes in B decays
- 14:40-15:00** Pete Clarke (LHCb)
 New Physics in CP-Violation measurements
- 15:00-15:20** Michal Kreps (CDF/D0)
 B Physics

Session: (Collider II)

- 15:20-15:40** Ju Min Kim (Bonn)
 Color-octet scalars of N=2 supersymmetry at the LHC

15:40-16:20 Coffee Break

Chair: Joern Kersten (Hamburg)

- 16:20-16:40** Alan Barr (ATLAS-CMS)
 DM at LHC
- 16:40-17:00** Bhaskar Dutta (Texas A&M)
 SUGRA models at the LHC
- 17:00-17:20** Genevieve Belanger (Annecy)
 DM with Dirac & Majorana gaugino masses
- 17:20-17:40** Tetsutaro Higaki (Sendai)
 Duality cascade of softly broken supersymmetric theories
- 17:40-18:00** Robin Devenish (HERA)
 Precise predictions for the LHC from HERA data

