

1st School of ITN: Unification in the LHC Era

Corfu, Greece 4-15/9/2011

Programme

Monday 5 September

09.00-10.00	<i>Theory of EW interactions</i>	Riccardo Barbieri (SNS & INFN, Pisa)
10.00-11.00	<i>Status of experimental searches (Atlas)</i>	Peter Jenni (CERN)
11.00-11.30	Coffee Break	
11.30-12.30	<i>Status of experimental searches (CMS)</i>	Albert De Roeck (CERN)
12.30-13.30	<i>Tevatron 2011, at the time of the LHC</i> <i>Tsunami</i>	Aurore Savoy-Navarro (LPNHE)
13.30-17.00	Lunch Break	
17.00-18.00	<i>Theory of EW interactions</i>	Riccardo Barbieri (SNS & INFN, Pisa)
18.00-19.15	Discussion Session	
19.15-19.30	Coffee Break	
19.30-19.50	<i>Higgs pair production in the composite Higgs model</i>	Ramona Groeber (Karlsruhe U)
19.50-20.10	<i>The basis of dimension-six operators in the Standard Model</i>	Mateusz Iskrzynski (Warsaw U)
20.10-20.30	<i>An isosinglet W' at the early LHC</i>	Riccardo Torre (Pisa U)

Tuesday 6 September

09.00-10.00	<i>Theory of EW interactions</i>	Riccardo Barbieri (SNS & INFN, Pisa)
10.00-11.00	<i>Theory of EW interactions</i>	Riccardo Barbieri (SNS & INFN, Pisa)
11.00-11.30	Coffee Break	
11.30-12.30	<i>Flavor physics</i>	Ferruccio Feruglio (INFN, U Padova)
12.30-13.30	<i>Flavor physics</i>	Ferruccio Feruglio (INFN, U Padova)
13.30-17.00	Lunch Break	
17.00-18.00	<i>Supersymmetry and Supergravity</i>	Stefan Pokorski (Warsaw U)
18.00-19.00	Discussion Session	
19.00-19.15	Coffee Break	
19.15-19.35	<i>Radiative flavour violation in SUSY GUT models</i>	Markus Bobrowski (Karlsruhe U)
19.35-19.55	<i>Higgs particle in the MSSM</i>	Sebastian Paseth (MPI Munich)
19.55-20.15	<i>CMSSM with Yukawa Quasi-Unification</i>	Nikos Karagiannakis (AUTH)

Wednesday 7 September

09.00-10.00	<i>Flavor physics</i>	Ferruccio Feruglio (INFN, U Padova)
10.00-11.00	<i>Flavor physics</i>	Ferruccio Feruglio (INFN, U Padova)
11.00-11.30	Coffee Break	
11.30-12.30	<i>Supersymmetry and Supergravity</i>	Stefan Pokorski (Warsaw U)
12.30-13.30	<i>Supersymmetry and Supergravity</i>	Stefan Pokorski (Warsaw U)
13.30-17.00	Lunch Break	
17.00-18.00	<i>String theory</i>	Pierre Vanhove (IPT & IHES)
18.00-19.00	Discussion Session	
19.00-19.15	Coffee Break	
19.15-19.35	<i>Soft masses in SUSY SO(10) GUTs with low intermediate scales</i>	Valentina De Romeri (Valencia U)
19.35-19.55	<i>Direct stau production at hadron colliders in cosmologically motivated scenarios</i>	Jonas Lindert (MPI Munich)
19.55-20.15	<i>Constraints on minimal Z' models from SO(10) GUTs</i>	Pawel Pacholek (Warsaw U)

Thursday 8 September

09.00-10.00	<i>Collider physics and data analysis</i>	Giulia Zanderighi (Oxford U)
10.00-11.00	<i>Collider physics and data analysis</i>	Giulia Zanderighi (Oxford U)
11.00-11.30	Coffee Break	
11.30-12.30	<i>Supersymmetry and Supergravity</i>	Stefan Pokorski (Warsaw U)
12.30-13.30	<i>String theory</i>	Pierre Vanhove (IPT & IHES)
13.30-17.00	Lunch Break	
17.00-18.00	<i>String theory</i>	Pierre Vanhove (IPT & IHES)
18.00-19.00	Discussion Session	
19.00-19.15	Coffee Break	
19.15-19.35	<i>Strong Triple Higgs Production at CLIC</i>	Andrea Thamm (CERN, EPFL)
19.35-19.55	<i>Measurement of tracking efficiency at CMS with the $D^* \rightarrow D0 \pi$ helicity method</i>	Francesco Romeo (Perugia U)
19.55-20.15	<i>In SUSY with a $U(2)^3$ flavour symmetry</i>	Filippo Sala (Pisa U)

Friday 9 September

09.00-10.00	<i>Collider physics and data analysis</i>	Giulia Zanderighi (Oxford U)
10.00-11.00	<i>Collider physics and data analysis</i>	Giulia Zanderighi (Oxford U)
11.00-11.30	Coffee Break	
11.30-12.30	<i>Astroparticle physics and cosmology</i>	Subir Sarkar (Oxford U)
12.30-13.30	<i>Astroparticle physics and cosmology</i>	Subir Sarkar (Oxford U)
13.30-17.00	Lunch Break	
17.00-18.00	<i>Applications of AdS/CFT</i>	Kyriakos Papadodimas (CERN)
18.00-19.00	Discussion Session	
19.00-19.15	Coffee Break	
19.15-19.35	<i>Baryogenesis in an extended nuMSM model</i>	Kyle Allison (Oxford U)
19.35-19.55	<i>Combining F-Term Hybrid Inflation With a Peccei-Quinn Phase Transition</i>	Constantinos Pallis (Cyprus U)
19.55-20.15	<i>Constraints for quartic couplings in Inert Doublet Model</i>	Dorota Sokolowska (Warsaw U)

Saturday 10 September

09.00-10.00	<i>String theory</i>	Pierre Vanhove (IPT & IHES)
10.00-11.00	<i>Astroparticle physics and cosmology</i>	Subir Sarkar (Oxford U)
11.00-11.30	Coffee Break	
11.30-12.30	<i>Applications of AdS/CFT</i>	Kyriakos Papadodimas (CERN)
12.30-13.30	<i>Applications of AdS/CFT</i>	Kyriakos Papadodimas (CERN)
13.30-17.00	Lunch Break	
17.00-18.00	<i>Astroparticle physics and cosmology</i>	Subir Sarkar (Oxford U)
18.00-19.00	Discussion Session	
19.00-19.15	Coffee Break	
19.15-19.35	<i>Flavor Corrections in the Static Potential in Holographic QCD</i>	Dimitrios Giataganas (Witwatersrand U)
19.35-19.55	<i>A Holographic Approach to Non-relativistic Logarithmic CFT's</i>	Merbis Wout (Groningen U)
19.55-20.15	<i>A compelling vector curvation Model and its distinct observational signature</i>	Jacques Wagstaff (AUTH)

Sunday 11 September

Excursion

Monday 12 September

09.00-10.00	<i>Extra dimensions and braneworlds</i>	Christophe Grojean (CERN & IPT Saclay)
10.00-11.00	<i>String model building</i>	Carlo Angelantonj (INFN, U Turin)
11.00-11.30	Coffee Break	
11.30-12.30	<i>String model building</i>	Carlo Angelantonj (INFN, U Turin)
12.30-13.30	<i>Applications of AdS/CFT</i>	Kyriakos Papadodimas (CERN)
13.30-17.00	Lunch Break	
17.00-18.00	<i>Adv. math. techniques in physics</i>	Kumar S. Narain (ICTP)
18.00-19.00	Discussion Session	
19.00-19.15	Coffee Break	
19.15-19.35	<i>One-loop Adjoint Masses for Non-Supersymmetric Intersecting Branes</i>	Pascal Anastasopoulos (TU Vienna)
19.35-19.55	<i>Model Building with F-theory GUTs</i>	Christopher Edward Callaghan James (Southampton U)
19.55-20.15	<i>Light string states and their potential observation at LHC</i>	Robert Richter (Roma U)

Tuesday 13 September

09.00-10.00	<i>String model building</i>	Carlo Angelantonj (INFN, U Turin)
10.00-11.00	<i>String model building</i>	Carlo Angelantonj (INFN, U Turin)
11.00-11.30	Coffee Break	
11.30-12.30	<i>Extra dimensions and braneworlds</i>	Christophe Grojean (CERN & IPT Saclay)
12.30-13.30	<i>Adv. math. techniques in physics</i>	Kumar S. Narain (ICTP)
13.30-17.00	Lunch Break	
17.00-18.00	<i>Extra dimensions and braneworlds</i>	Christophe Grojean (CERN & IPT Saclay)
18.00-19.00	Discussion Session	
19.00-19.15	Coffee Break	
19.15-19.35	<i>The Effective Action of Branes and Mirror Symmetry</i>	Daniel Vieira Lopes (Bonn U)
19.35-19.55	<i>The Electroweak contribution to the top forward-backward asymmetry at Tevatron</i>	Davide Pagani (MPI)
19.55-20.15	<i>Some aspects on the correlation between the K-symmetric and the pure spinor versions of the supermembrane in D=11</i>	Elena Mirela Babalic (IFIN-HH Bucharest)

Wednesday 14 September

09.00-10.00	<i>Adv. math. techniques in physics</i>	Kumar S. Narain (ICTP)
10.00-11.00	<i>Adv. math. techniques in physics</i>	Kumar S. Narain (ICTP)
11.00-11.30	Coffee Break	
11.30-12.30	<i>Extra dimensions and braneworlds</i>	Christophe Grojean (CERN & IPT Saclay)
12.30-13.30	<i>Science communication</i>	Enrico M. Bali (SISSA)
13.30-17.00	Lunch Break	
17.00-18.00	<i>Science communication</i>	Enrico M. Bali (SISSA)
18.00-19.00	Discussion Session	
19.00-19.15	Coffee Break	
19.15-19.35	<i>ABJM Baryon Stability and Myers effect</i>	Konstadinos Siampos (Ecole Polytechnique)
19.35-19.55	<i>String cosmology at finite temperature</i>	Lihui Liu (Ecole Polytechnique)
19.55-20.15	<i>Introducing the Slotheon: the unique Galilean invariant scalar in curved spacetime</i>	Parvin Moyassari (LMU)

Thursday 15 September

Mid Term Meeting of the ITN.

Dinner in honour of Professor Graham Ross.