



HEPTOOLS Final Meeting

Granada 2010

25-26 November 2010

Thursday 25 November 2010

09:00 - 13:30 ITN Application Meeting (Coordinators) *4h 30'*

14:45 - 15:00 Registration *15'*

15:00 - 15:45 HEP tools and the LHC: the scorecard after year-1 *45'*

Speaker: Michelangelo Mangano

15:45 - 16:10 The next generation of Monte-Carlo Tool: MadGraph5 *25'*

Speaker: Olivier Mattelaer

16:10 - 16:35 Higher Order Corrections to the Drell-Yan Cross Section in the Mellin Space *25'*

Speaker: Petra Kovacikova

16:35 - 17:00 Tree-Loop duality at one and two loops *25'*

Speaker: Petros Draggiotis

17:00 - 17:30 *Coffee break*

17:30 - 17:55 $SU(5) \times SU(5)$ unification revisited *25'*

Speaker: Edison Franco

17:55 - 18:20 Neutralino decay length measurement consistent with Neutrino masses and mixing in Bilinear R-parity violating MSSM at LHC 25'

Speaker: Siba Prasad Das

18:20 - 18:45 Testing the No-Lose Theorem of the NMSSM at the LHC 25'

Speaker: Mosleh Almarashi

18:45 - 20:00 ITN Application Meeting (Coordinators) 1h 15'

21:15 *Social Event*

Friday 26 November 2010

08:00 - 09:00 ITN Application Meeting (Coordinators) 1h 00'

09:00 - 09:25 Higgs boson masses in the MSSM with heavy Majorana Neutrinos 25'

Speaker: Ana Maria Rodriguez-Sanchez

09:25 - 09:50 Geometric Spontaneous CP Violation 25'

Speaker: David Emmanuel-Costa

09:50 - 10:15 Warped Extra Dimensions at the LHC 25'

Speaker: Jose Santiago

10:15 - 10:40 NMSSM parameters compatible with LEP constraints on the Higgs mass 25'

Speaker: Giovanni Marco Pruna

10:40 - 11:10 *Coffee break*

11:10 - 11:35 Properties of the minimal B-L extension of the SM 25'

Speaker: Lorenzo Basso

11:35 - 12:00 Colour coherence in the fully unintegrated NLO evolution kernels of collinear factorization 25'

Speaker: Magdalena Slawinska

12:00 - 12:25 Strong Vector Boson Scattering at LHC 25'

Speaker: Diogo Buarque Franzosi

12:25 - 12:50 Multiple Jets at the LHC with HEJ 25'

Speaker: Jennifer Smillie

12:50 - 14:50 *Lunch break*

14:50 - 15:15 What can radiative decays tell us about the anomalous magnetic moment of the tau 25'

Speaker: Lorenzo Mercolli

15:15 - 15:40 3 loop heavy flavor corrections to deep-inelastic scattering at general values of N 25'

Speaker: Fabian Wissbrock

15:40 - 16:05 NLO QCD Corrections to Gauge Boson Scattering at the LHC 25'

Speaker: Lucia Hosekova

16:05 - 16:30 Probing CP violation in stop decays at the LHC 25'

Speaker: Krzysztof Rolbiecki

16:30 - 17:00 *Coffee break*

17:00 - 17:25 Antenna subtraction at NNLO with hadronic initial states 25'

Speaker: James Currie

17:25 - 17:50 NLO QCD corrections to WWbb production at hadron colliders 25'

Speaker: Giuseppe Bevilacqua

17:50 - 18:15 Z' and friends 25'

Speaker: Manuel Pérez-Victoria