

updated September 7th.

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Sunday Sept 1st

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School lectures

9.00 - 10.00	Hollik	Electroweak Interactions - theory
10.00 - 11.00	Pittau	QCD
11.00 - 11.30		Coffee break
11.30 - 12.30	Hollik	Electroweak Interactions - theory
12.30 - 13.30	Pittau	QCD
13.30 - 16.00		Lunch break
16.00 - 17.00	Butterworth	Status of experimental searches at the LHC: ATLAS
17.00 - 18.00	Varela	CMS physics results
18.00 - 18.30		Coffee break
18.30 - 19.30	Tsesmelis	LHC and LHC upgrade

Workshop

19.30 - 20:10	Cirelli	Dark Matter indirect detection: recent developments and perspectives
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Monday Sept 2nd

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School lectures

9.00 - 10.00	Hollik	Electroweak Interactions
10.00 - 11.00	Pitau	QCD
11.00 - 11.30		Coffee break
11.30 - 12.30	Hernandez	Neutrino Physics - Theory
12.30 - 13.30	Wark	Neutrino Physics - Exp
13.30 - 16.00		Lunch break
16.00 - 17.00	Hernandez	Neutrino Physics - Th
17.00 - 18.00	Pich	Flavour Physics - Th
18.00 - 18.20		Coffee break
18.20 - 18:50		Discussion

Workshop and students talks

18.50 - 19:10	Zoller	Three-loop beta-function for the Higgs self-coupling and the vacuum stability problem in the SM
19:10 - 19:25	Kraenkl	NNLO corrections to the decay $B \rightarrow D \pi$
19:25 - 19:40	Vos	Limits on Lorentz violation in neutral Kaon decay
19:40 - 19:55	Hoeschele	Higgs boson production at the LHC: NNLO partonic cross sections through order epsilon and ..

Tuesday Sept 3rd

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School lectures

9.00 - 10.00	Pich	Flavour-Th
10.00 - 11.00	Mahmoudi	Higgs-Th
11.00 - 11.30		Coffee break
11.30 - 12.30	Tonelli	Experimental status of Higgs Physics
12.30 - 13.30	Mahmoudi	Higgs-Th
13.30 - 16.00		Lunch break
16:00 - 17:00	Harnew	LHCb

Workshop and students talks

17.00 - 17:40	Ciuchini	The Electroweak Fit Revisited
17:40 - 18:00	Antipin	A Higgslike dilaton and conformal phase transition
18.00 - 18.20		Coffee break

18:20 - 18:50 Discussion
 18:50 - 19:30 Botella Novel T-violation observable open to any decay channel at meson factories
 19:30 - 19:50 Stebel Quantitative Study of Geometrical Scaling in Deep Inelastic Scattering

Wednesday Sept 4th

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School lectures

9.00 - 10.00 Pich Flavour Physics - Th
 10.00 - 11.00 King Introduction to Supersymmetry and Current status of the MSSM
 11.00 - 11.30 Coffee break
 11.30 - 12.30 King Introduction to Supersymmetry and Current status of the MSSM
 12.30 - 13.30 Nilles Introduction to supergravity
 13.30 - 16.00 Lunch break

Workshop and students talks

16.00 - 16:40 Kim Axions
 16:40 - 17:20 Branco Flavour in the Higgs Era
 17:20 - 18:00 Irges A non-perturbative view of the Higgs hierarchy problem
 18:00 - 18:20 Coffee break
 18:20 - 18:50 Discussion
 18.50 - 19.10 Tobioka A Natural Higgs Mass in Supersymmetry from Non-Decoupling Effects
 19:10 - 19:30 Tsamis Reduction of couplings in the MSSM
 19:30 - 19:50 Krog SM vacuum stability and the Weyl consistency conditions: Counting to three

Thursday Sept 5th

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School lectures

9.00 - 10.00 Ross Beyond the SM at the LHC
 10.00 - 11.00 Nilles Introduction to supergravity
 11.00 - 11.30 Coffee break
 11.30 - 12.30 Petropoulos Intro to Strings
 12.30 - 13:30 Aleksan TLEP/VHE-LHC: long term vision for Europe
 13.30 - 16.00 Lunch break

Workshop

16.00 - 16:40 Olechowski 125 GeV Higgs in NMSSM with moderate or large $\tan(\beta)$
 16:40 - 17:20 Degrassi The Higgs boson and the scale of new physics
 17:20 - 18:00 Mansoulie Higgs couplings and spin determination
 18.00 - 18.20 Coffee break
 18:20 - 18:50 Discussion
 18.50 - 19:10 Mollet Why neutrinos are different?
 19:10 - 19:30 Torre Discovering light stops in RPV SUSY
 19:30 - 19:45 Hollik W.G. Neutrino Mixing from SUSY breaking

Friday Sept 6th

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School lectures

9.00 - 10.00 Buesser The Linear Collider Project
 10.00 - 11.00 Antoniadis Introduction to Extra dimensions and Braneworlds
 11.00 - 11.30 Coffee break

11.30 - 12.30 Petropoulos Intro to Strings
 12.30 - 13.30 Ross Beyond the SM at the LHC
 13.30 - 16.00 Lunch break

Workshop and students talks

16.00 - 16:40 Frere Masses, mixings, Majorana and inverted hierarchy from 6 Dimensions
 16:40 - 17:20 Emmanuel-Costa Minimal adjoint-SU(5) X Z₄
 17:20 - 18:00 Mondragon M. Reduction of Couplings in Finite theories and in the MSSM

Greek night

Saturday Sept 7th

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Full day excursion

Sunday Sept 8th

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School lectures

9.00 - 10.00 Linssen CLIC Project
 10:00 - 11:00 Antoniadis Introduction to Extra dimensions and Braneworlds
 11:00 - 11:30 Coffe break

Workshop and students talks

11:30 - 12:10 Osland An extended scalar sector
 12.10 - 12.50 Nilles Strings, MSSM and LHC
 12:50 - 13:10 Farakos Higher derivatives in new-minimal supergravity
 13.10 - 13:30 Anastasopoulos Three- and Four-point correlators of excited bosonic twist fields
 13:30 - 16.00 Lunch break
 16.00 - 16:40 Fayard Scalar boson into gamma gamma at LHC: from the conception ...
 16:40 - 17:20 Krawczyk Update on the Inert Doublet Model
 17:20 - 18:00 White Experimental challenges of the European Strategy for particle physics
 18.00 - 18.20 Coffee break
 18:20 - 18:50 Discussion
 18.50 - 19:05 Ali Cavasonza Search for dark matter at the LHC and with astrophysical experiments
 19:05 - 19:20 Liew Decaying Supersymmetric Dark Matter and 130 GeV Fermi Gamma-ray Line
 19:20 - 19:35 Heurtier Extra U(1), effective operators, anomalies and dark matter

Monday Sept 9th

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School lectures

9.00 - 10.00 Starinets Intro to Gauge/Gravity Duality
 10.00 - 11.00 Sarkar Intro to Cosmology
 11.00 - 11.30 Coffee break
 11.30 - 12.30 Sarkar Intro to Cosmology

Workshop and students talks

12.30 - 13.10 Mondragon A. The S₃ flavour symmetry: Quarks, leptons and Higgs sector
 13:10 - 13:30 Saldana-Salazar An S₃ model with multiple Higgs doublets
 13.30 - 16.00 Lunch break

School lecture

16:00 - 17:00 Nielsen Why just the Standard Model Group and 4 dimensions?

Workshop and students talks

17:00 - 17:40 Santiago Doing precision physics at the LHC

17:40 - 17:55 Sonneveld Simplified Models and the Interpretation of Supersymmetry Searches

17:55 - 18:10 Christiansen Renormalizing the Non-Renormalizable: Asymptotic Safety in

Quantum Gravity

18:10 - 18:25 Coffee break

18:25 - 18:50 Discussion

18.50 - 19:05 Neder Lepton Mixing and generalized CP with large discrete Symmetries

19:05 - 19:20 Re Fiorentin The N_2 dominated scenario of leptogenesis

19:20 - 19:35 Tsagkarakis Oscillons and oscillating kinks in the Abelian-Higgs model

Tuesday Sept 10th

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School lectures

9.00 - 10.00 Starinets Intro to Gauge/Gravity Duality

10.00 - 11.00 Leontaris F-theory GUTs

11:00 - 11.20 Coffee break

11:20 - 12:20 Sarkar Dark matter

Workshop and students talks

12:20 - 12:40 Arbey Dark matter in the MSSM

12:40 - 12:55 Becot Higgs mass measurement in the diphoton channel at ATLAS

School lecture

12:55 - 13:55 Sarkar Dark matter

Closing!