

# PROGRAMME

Physics Challenges in the face of LHC-14, IFT 14-26 October

## First week

Time	Monday 15	Tuesday 16	Wednesday 17	Thursday 18	Friday 19
10:30 - 11:00	E. Etzion	N. Craig Supersymmetric Optimism at LHC-13/14	A. De Roeck Higgs Physics at the LHC Experimental Review	C. Anastasiou High precision QCD for LHC physics	T. Plehn Top Taggers
11:0 - 11:30		Warmup for Searches at LHC-14	P. De Jong Experimental challenges in SUSY searches at LHC-13/14	S. Malik Status, prospects, and interpretation of dark matter searches at the LHC	P. Nason Open Problems in High Precision Event Generators
11:30 - 12:00	Coffee break				

15:00 - 16:00	L. Covi LHC prospects for minimal decaying Dark Matter  Y. Nakai Natural Supersymmetry in Warped Space	V. Mitsou Non-standard SUSY searches at the LHC  K. Rolbiecki Towards explaining WW excess at the LHC	D. Ghilencea SUSY naturalness without prejudice  JS Kim Checkmating your favourite BSM model  Wongsang Cho Evolving Event Reconstruction via Probability Matching for W mass..	C. Duhr Higgs production in gluon fusion close to threshold  S. Prestel Unitarised fixed order + parton shower schemes  I. Scimeni Non-perturbative QCD effects in $q_T$ spectra of Drell-Yan ...	M. Spannowsky Event Deconstruction  C. Williams Bounding the Higgs Width
16:00 - 16:30	Coffee break				

### Second week

Time	Monday 22	Tuesday 23	Wednesday 24	Thursday 25	Friday 26
10:30 - 11:00	<b>D. Berge</b> Dark matter searches at the LHC: status and future prospects	<b>H. Dreiner</b> Dark Matter at the ILC: effective theories	<b>V. Khoze</b> Higgs Portal interactions and BSM with Classical Scale Inv.	<b>H. Haber</b> Constraints on the alignment limit of the MSSM Higgs sector	<b>M. Quiros</b> EWSB and Supersymmetric Custodial Triplets
11:0 - 11:30	<b>P. Fox</b> Dark Matter at the LHC and elsewhere	<b>LianTao Wang</b> Dark matter at colliders: simplified models	<b>A. Delgado</b> Generalized focus point in the MSSM	<b>A. Salvio</b> Investigating the near-criticality of the Higgs boson	<b>A. Djouadi</b> The MSSM Higgs sector after LHC8
11:30 - 12:00	Coffee break				

15:00 - 16:00	<b>Eunjin Chun</b> Axino LSP and naturalness	<b>M. Taoso</b> Wino-like Minimal Dark Matter and future colliders
	<b>Y. Yamamoto</b> Unitarity Bounds on Dark Matter Effective Interactions at LHC	<b>H. Haber</b> Motivations for a stable scalar in an extended Higgs sector
	<b>Y. Mambrini</b> 2014, one year of signals.. Or maybe no..	<b>C. Arina</b> Sneutrino dark matter and its LHC phenomenology
16:00 - 16:30	Coffee break	

<b>J.M. No</b> Discovering a second Higgs doublet through $A_0 \rightarrow ZH_0$ ...
<b>P. Ghosh</b> Searching evidences of new physics in the light of $\mu\nu$ SJM
<b>A. Dobado</b> Strongly interacting WW and ZZ from Unitarized EW ChL
Coffee break