Hamburg Higgs Workshop 2014

Welcome and information





DESY, 22 October 2014





TIMETABLE

	Wednesday 22 October 2014			Thursday 23 October 2014			Friday 24 October 2014			
AM			09:00	BSM Higgs Searches (until 12:30)		09:00	Summary, Discussion, and Requirements for Higgs with O(100/fb) (until 13:00)	_		
			09:00	BSM Higgs Searches: Experimental Overview - Alexandre Nikitenko Slides		09:00	Prospects and Preparations for 100/fb - Markus Schumacher (Albert-Ludwigs- Universität Freiburg)			
						09:45	Theoretical Precision - Daniel De Florian			
			09:45	SUSY and 2HDM - Sven Heinemeyer (IFCA (CSIC, Santander))		10:30	Measuring the Higgs-charm coupling with heavy quarkonia - Chung Hee-Sok (ANL			
			_	Search for BSM Higgs Bosons in b-Jet Final States at CMS - Matthias Schröder (DESY)		10:50	Resummation of b-quark mass effects in bbH-induced Higgs production - Andrew Papanastasiou (DESY, Hamburg)			
			10:50	Coffee break		11:10	Coffee break			
				Boosted Higgs as key to searches for new physics - Maxime Gouzevitch (CERN)		11:30	Theoretical and experimental constraints on the real Higgs singlet extension of the Standard Model - Tania Robens (IKTP, TU Dresden)			
			11:40	SUSY Non-Standard Higgs Searches Vs Precision Higgs Measurements at the LHC - Marcela Carena (Fermilab)		11:50	Higgs pair production at the LHC: SM and beyond - Eleni Vryonidou			
			12:10	Lepton Flavor Violating Higgs Decays - Daniel Troendle (Uni Hamburg)		12:10	Projections for measurements of Higgs boson cross sections, branching ratios and coupling parameters with the ATLAS detector - Elisabeth Petit (DESY)			
			12:30	Lunch break		12:30	Prospects for searches of rare decays of the 125 GeV Higgs boson with the ATLAS detector - Yanping Huang (DESY)			
						12:50	Closing remarks			
PM	14:00	Properties of the state at 125 GeV (until 18:30)	14:00	BSM Higgs Searches (until 15:00)						
	14:00	Welcome address	14:00	Impact of interference effect on MSSM Higgs boson searches - Elina Fuchs (DESY)						
	14:10	Experimental overview of properties - Andre David	14:20	Phenomenology and benchmark scenarios for heavy Higgs searches in the 2HDM - Oscar Stål (DESY)						
	14:55	Effective Lagrangian Approach - Ansgar Denner (Universitaet Wuerzburg)	14:40	Excessive Higgs pair production from sparticles in the NMSSM -						
	15:40	Determination of Spin and Parity of the Higgs boson with the ATLAS detector in Run 1 and prospects for Run 2 - Tatjana Lenz (Univ. Wuppertal)	2	Ulrich Ellwanger Integration of Measurements and Consistent Interpretation (until	_					
	16:00	Accurate predictions for Higgs characterisation - Marco Zaro	2	18:00)	-					
	16:20	Coffee break	15:00	Combination of signal, BSM Higgs and SUSY - Philip Bechtle (DESY)						
	16:50	Resummation of jet veto observables in Higgs production - Shireen Gangal (DESY)	15:45	The global electroweak fit at NNLO and prospects for the LHC ILC and with Gfitter - Roman Kogler (University of Hamburg)						
•	17:10	Off-shell effects in Higgs decays to gauge bosons at a LC and implications for the LHC - Stefan Liebler (Universität Hamburg)		Coffee break						
	17:30	Far off-shell Higgs production in H->WW, ZZ - Ian Moult (MIT)	_	A new framework to perform hypothesis tests using unfolded distributions - Florian Bernlochner						
	17:50	Weak corrections to Higgs hadroproduction in association with a top-quark pair - Davide Pagani (UC Louvain)	4	NMSSM interpretations of the observed Higgs signal - Florian Domingo (DESY)						
	18:10	Discussion	17:15	Higgs couplings after LHC Run I - Jeremy Bernon						
			17:35	Discussion						
			18:30	Dinner(Hamburg)						



ORGANISATIONAL ISSUES

- All speakers: Please make sure your talks are on INDICO well in advance of the start of your session.
 - In case of problems as local organisers.
- Late registration: coffee breaks!
 - Mrs Krohn / Mrs Grabowsky at reception desk
- WLAN: please use eduroam or dedicated workshop WLAN

Network name: **Higgs2014** WPA-PSK: **F9bxm9pM**

- Dinner: at Groeninger Brauhaus, Thursday evening
 - Bus leaves Thursday at 18:30 from outside head of building 1 (see map)
 - Bus leaves Groeninger for DESY at 22:00-22:30
 - Head count?

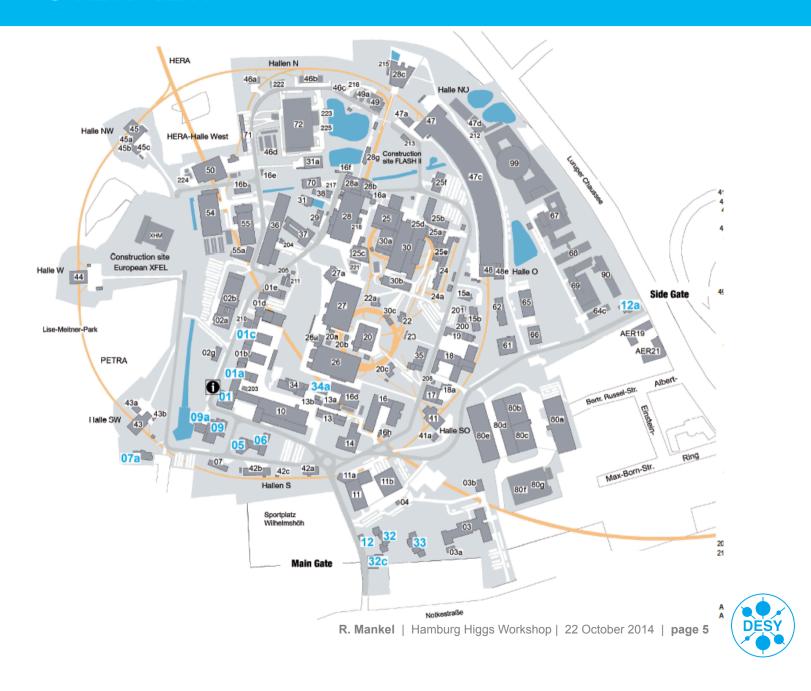


DESY – OVERVIEW

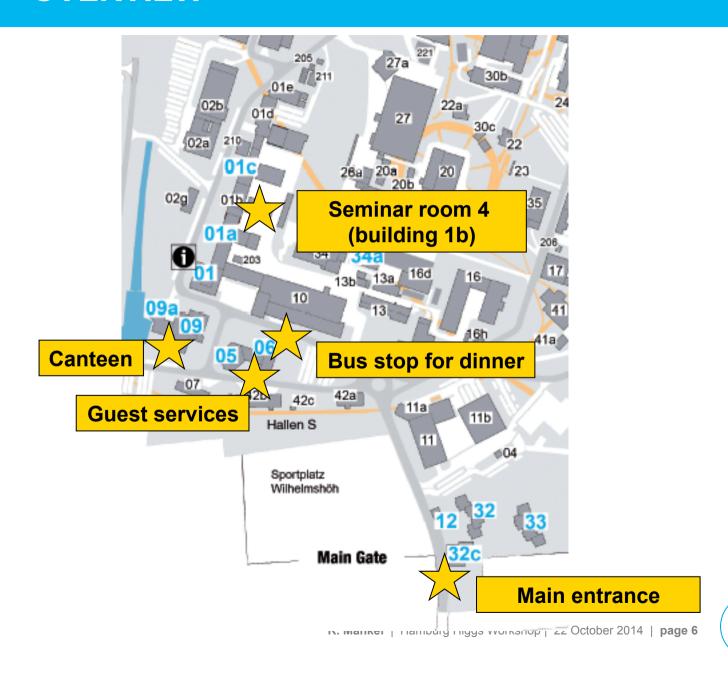




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