

The High-Energy Physics Kit - HEPKIT2015

Monday, 5 October 2015

Afternoon Session I: SM Higgs Physics --- Chair: Stefan Dittmaier (14:00 - 16:15)

time	[id] title	presenter
14:00	[5] Welcome	MUHLLEITNER, Milada
14:15	[3] SM Higgs Boson Production and Decay	SPIRA, Michael
14:45	[4] Precise predictions for Higgs production in association with top quarks	DENNER, Ansgar
15:15	[7] Higgs Couplings and EFT Fits	PLEHN, Tilman
15:45	[6] Ratio of signal strengths $\gamma\gamma/ZZ$ and the probing of the TeV scale	DJOUADI, Abdelhak

Tuesday, 6 October 2015

Afternoon Session I: Precision Physics --- Chair: Michael Spira (14:00 - 16:00)

time	[id] title	presenter
14:00	[18] Dominant $O(\alpha\alpha_s)$ corrections to Drell–Yan processes in the resonance region	DITTMAIER, Stefan
14:30	[19] Studying the Z boson resonance not with weak loops, but with the SMATASY/ZFITTER-kit	RIEMANN, Tord
15:00	[20] Hadronic contributions to electroweak observables from lattice QCD	JANSEN, Karl
15:30	[21] Muon anomalous magnetic moment in BSM: MSSM and THDM	STÖCKINGER-KIM, Hyejung

Wednesday, 7 October 2015

Afternoon Session I: (B)SM Higgs --- Chair: Geneviève Bélanger (14:00 - 16:00)

time	[id] title	presenter
14:00	[32] SusHi for Vegetarians	HARLANDER, Robert
14:30	[33] Precision Calculations of Top- and Bottom-Yukawa Couplings within the Standard Model and Supersymmetry	MIHAILA, Luminita
15:00	[34] Discriminating between SUSY and Non-SUSY Higgs Sectors through the Ratio $H \rightarrow b\bar{b}/H \rightarrow \tau\tau$ with a 125 GeV Higgs boson	PENARANDA RIVAS, Siannah
15:30	[47] CP-violating Higgs decays in the 2HDM	SERRA RIBEIRO DOS SANTOS, Rui Alberto