



## Higgs Potential 2022

Wednesday, 27 July 2022

Direct BSM (09:00 - 18:10)

-Conveners: Ligong Bian; Li Yuan; Xin Chen; Yun JIANG

time	[id] title	presenter
09:00	[53] Geometric and Topological Higgs Mechanisms: Mass Generations and Massive Scattering Amplitudes	Prof. HE, Hong-Jian
09:30	[33] Dynamics of electroweak phase transitions in the singlet-extend model.	Mr CHEN, Haibin
09:50	[27] Primordial black holes from an electroweak phase transition	Dr XIE, Ke-Pan
10:10	[6] The triplet Higgs leptogenesis	HAN, Chengcheng
10:30	Coffee Break/茶歇	
10:50	[47] W boson mass: EW Fits and New Physics	Dr WU, Lei
11:20	[28] Electroweak phase transition in the 2HDM: Collider and Gravitational Wave	吴, 永成
11:40	[37] Gravitational wave searches of the type-II seesaw model	DU, Yong
12:00	[34] Domain wall networks from first-order phase transitions and produced gravitational waves	Mr WEI, dongdong
12:20	Lunch break/午休	
14:00	[44] Review of g-2 recent progresses	Prof. LI, Liang
14:30	[2] 利用对撞机上长寿命粒子信号检验电弱相变	LIU, Wei
14:50	[30] Searches for FCNC interactions of the top quark with the ATLAS experiment	XIA, mingming
15:10	[3] Search for Dark Higgs at ATLAS and potential to utilize the Xbb tagger	LI, Changqiao LIU, Qibin
15:30	Coffee Break/茶歇	
15:50	[46] BSM Higgs searches at the LHC	QIAN, Jianming
16:20	[43] CP Phases in 2HDM and Effective Potential: A Geometrical View	程, 焜
16:40	[9] New physics hints with 2HDM under the Higgs Boson Precision Measurements	苏, 伟
17:00	[8] A search for heavy Higgs bosons decaying into vector bosons in same-sign two-lepton final states in $pp$ collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector	XU, yue
17:20	[23] Search for scalar leptoquarks in the $b\tau$ final state with the ATLAS detector	DE MARIA, Antonio