



# The XXVIII International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY 2021)

## Thursday, 26 August 2021

### Electroweak, Top quark, and Higgs Physics (10:10 - 11:30)

-Conveners: Jianming Qian; Qiang Li

time	[id] title	presenter
10:10	[448] Higgs boson measurements in its decays into bosons with the ATLAS experiment	COELHO LOPES DE SA, Rafael
10:30	[451] Searches for low- and high-mass Higgs-like resonances with the ATLAS detector	HAN, Shuo
10:50	[234] Electroweak Restoration at the LHC and Beyond: The $Vh$ Channel	LANE, Samuel

### Electroweak, Top quark, and Higgs Physics (13:30 - 15:30)

-Conveners: Yang Zhang; Junjie Cao

time	[id] title	presenter
13:30	[236] Charged Higgs from different representations at the LHC	BANDYOPADHYAY, Priyotosh
13:50	[361] Vacuum stability and asymptotic behaviour in Extended Higgs and Leptoquarks	Ms JANGID, SHILPA
14:10	[111] Impact of quark flavor violating SUSY on $h(125)$ decays	Prof. HIDAKA, Keisho
14:30	[401] Probing the B+L violation process with the observation of cosmic magnetic field	BIAN, Ligong
14:50	[147] The Road Not Taken: more dimension-4's before EFT	Prof. HOU, George W.S.

### Electroweak, Top quark, and Higgs Physics (16:00 - 18:00)

-Conveners: Yaquan Fang; Alexander Josef Grohsjean

time	[id] title	presenter
16:00	[449] Higgs boson measurements in couplings to quarks and leptons with the ATLAS experiment	KOREN, Guy
16:20	[450] Combined Higgs boson measurements and their interpretations in Effective Field Theories and new physics models with the ATLAS experiment	ZHANG, Lei
16:40	[302] BSM Higgs searches at CMS	ASMUSS, Paul
17:00	[452] Searches for additional Higgs bosons in ATLAS	BAILEY, Adam
17:20	[453] Searches for resonances decaying to boson pairs in ATLAS	BALUNAS, William
17:40	[425] Exotic Higgs Decays at CMS	ZHANG, Fengwangdong

### Electroweak, Top quark, and Higgs Physics (22:35 - 23:35)

-Conveners: Alexander Josef Grohsjean; Eleni Vryonidou

time	[id] title	presenter
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22:35	[454] Performance and calibration for the identification of boosted Higgs bosons decaying into beauty quark pairs in ATLAS	LI, Changqiao
22:55	[427] Vector boson scattering in CMS	HU, Miao
23:15	[260] Search for a Higgs portal scalar decaying in MicroBooNE	GUZOWSKI, Pawel

**Friday, 27 August 2021****Electroweak, Top quark, and Higgs Physics (10:10 - 11:30)****-Conveners: Junjie Cao; Jianming Qian**

time	[id] title	presenter
10:10	[424] Resonant and non-resonant HH production at CMS	SAWANT, Siddhesh
10:30	[120] The anomalous Zbb couplings at the LHC and lepton-hadron colliders	Dr YAN, Bin
10:50	[428] Rare top quark production at ATLAS and CMS: ttZ, ttW, ttgamma, tZ, tgamma, and ttt production	USAI, Emanuele
11:10	[59] The Higgs-top CP phase with tth at the 14 TeV LHC and 100 TeV FCC	Dr WU, Yongcheng

**Electroweak, Top quark, and Higgs Physics (13:30 - 15:30)****-Conveners: Qiang Li; Rohini Godbole**

time	[id] title	presenter
13:30	[423] Higgs boson measurements at CMS	MUKHERJEE, Soumya
13:50	[225] $Z\gamma$ polarization as a probe of anomalous gauge-Higgs coupling	SARMAH, Priyanka
14:10	[262] Probing anomalous HVV couplings using Higgs production in electron-proton collisions	SHARMA, PRAMOD
14:30	[58] Measuring Higgs Boson Self-couplings with $2 \rightarrow 3$ VBS Processes	CHEN, Junmou
14:50	[388] Boosted semi leptonic top tagging with tau	DE, Amandip
15:10	[231] Applying A4 to three-Higgs doublet model implies alignment	Dr PRAMANICK, Soumita

**Electroweak, Top quark, and Higgs Physics (16:00 - 18:00)****-Conveners: Eleni Vryonidou; Yaquan Fang**

time	[id] title	presenter
16:00	[164] Electroweak physics and Z/W boson measurements at LHCb	RAMOS PERNAS, Miguel
16:20	[429] SM precision measurements in top production at LHC	MASSA, Lorenzo
16:40	[363] Correlating the anomalous moment of the muon and the W mass in the MSSM	BAGNASCHI, Emanuele Angelo
17:00	[211] Techniques for the SUSY-QCD corrections to pseudoscalar Higgs production via gluon fusion	NGUYEN, Thanh Tien Dat
17:20	[208] NLO SUSY-QCD Corrections to Pseudoscalar Production via Gluon Fusion	FRITZ, Lukas