

第九届中国LHC物理年会 The 9th China LHC Physics Workshop (CLHCP2023)

Thursday, 16 November 2023

TeV: Higgs (1) - Function Room 10 光大10号厅 (14:00 - 16:00)

-Conveners: Lei Zhang

	presenter
Search for a light charged Higgs boson and its neutral partners from top quark pairs at the LHC	傅, 淳浩
1-loop NLO electroweak corrections to Higgs pair production in gluon fusion	ZHANG, Xiaohu
Run3 H→γγ fiducial Cross-Section measurement	ZHANG, Peng
CP Invariance in Higgs Boson Vector-Boson-Fusion Production Using the H→γγ Channel with the ATLAS Detector	GUO, Fangyi
Photon energy calibration method and Higgs mass measurement	HE, Mingxu
Measurement of the H→ZZ→4l cross-sections in pp collisions at 13.6 TeV with the ATLAS detector	TIAN, Chun
Measurements of inclusive and differential cross sections for the Higgs boson production and decay to photons in proton-proton collisions at √s = 13 TeV	GUO, Qian

TeV: Higgs (2) - Function Room 10 光大10号厅 (16:20 - 18:20)

-Conveners: Meng Xiao

[id]	title	presenter
20	[16] Higgs boson pair production and decay to $S_b \bar{b} \gamma \gamma$ at NLO in QCD	ZHAO, Dan
40	[129] Legacy search for the non-resonant production of Higgs boson pairs via gluon fusion and vector-boson fusion in the 4ℓ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector (remote)	HAN, Liangliang
55	[130] Studies of new Higgs boson interactions through nonresonant HH production in the $b\bar{b}\gamma\gamma$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Ms JIA, Zihang
10	[131] Preliminary Results on Higgs Pair Production in Multi-lepton Channel with the ATLAS Experiment	ZHANG, Yulei
25	[132] Search for diHiggs with VHH (Remote)	ZHANG, Licheng
40	[133] Higgs mass and width measurement in ZZ to 4-leptons final state with full Run2 data (CMS)	ZHANG, Chenguang
55	[134] Measurement of Higgs boson mass and width with LHC run2 data at the ATLAS experiment	ZHANG, Yangfan

Friday, 17 November 2023

TeV: Higgs (3) - Function Room 10 光大10号厅 (14:00 - 16:00)

-Conveners: Yanping Huang

[id]	title	presenter
[149]	Search for the exotic decay of the Higgs boson into a Z boson and a light pseudo-scalar decaying into two photons in pp collisions at 13TeV (CMS)	WANG, Zebing
[150]	Search for extra Higgs bosons through same-sign top-quark production in association with an extra jet(Remote)	LU, Meng
[151]	Searches for lepton flavour violation in Higgs boson decays, $H \rightarrow e\tau$ and $H \rightarrow \mu\tau$, at ATLAS	DE MARIA, Antonio
[152]	Searches for Lepton-flavour-violating decays of the Higgs boson	WU, Minlin
[153]	Search for a standard model-like Higgs boson in the mass range between 70 and 110 GeV in the diphoton final state in proton-proton collisions at 13 TeV (CMS)	TAO (陶), Junquan (军全)
[34]	Search for Higgs boson pair production in the $b\bar{b}\mu\mu$ final state at the LHC (Remote)	GUO, Botao

TeV: Higgs (4) - Function Room 10 光大10号厅 (16:20 - 18:20)

-Conveners: Lailin Xu

time	[id] title	presenter
16:20	[27] Probing the Higgs trilinear self-coupling through Higgs+jet production	周, 斌
16:40	[156] Run2 combination of the Higgs boson decay to a Z boson and a photon at the LHC	ZHANG, Mingtao
16:55	[157] Interpretations of the measurements of Higgs boson production and decay rates and differential cross-sections based on the Nature paper(remote)	ZHU, Yifan
17:10	[158] CMS Higgs and double Higgs combinations (Remote)	GUO, Jialin
17:25	[159] Measurement of $t\bar{t}W/t\bar{t}H$ production in multilepton final states with ATLAS Run-2 data	JIA, Chen
17:40	[160] Measurement of Higgs boson decaying into $b\bar{b}$ using Run2 dataset at the ATLAS experiment	HAN, Jingyi

Saturday, 18 November 2023

TeV: BSM (1) - Function Room 10 光大10号厅 (08:30 - 10:30)

-Conveners: Da Xu

time	[id]	title	presenter
08:30	[182]	[Cancel] Mono-X Signatures of an Absorbed Fermionic Dark Matter at the LHC	MA, Kai
08:50	[183]	Search for direct production of electroweakinos in final states with one lepton, jets and missing transverse momentum with the ATLAS detector	ZHAI, Mingjie
09:05	[184]	Search for direct production of stau pairs in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector	郭, 蕾
09:20	[185]	Search for lepton-flavour violation in high-mass dilepton final states using ATLAS run2 data	ZHANG, Luxin
09:35	[186]	Search for dark photons in rare Z boson decays with the ATLAS detector	LIU, Mingyi
09:50	[225]	First Results from the Search for Dark Photons with the FASER Detector at the LHC	PANG, Hao
10:05	[219]	Search for $\chi\chi/\tilde{\chi}\tilde{\chi} \rightarrow \chi\chi$ production in a final state 2 with one lepton or two opposite-sign leptons using the full Run 2 pp collisions data at $\sqrt{s} = 13$ TeV	MAO, Lining

Sunday, 19 November 2023

TeV: EW+top - Function Room 10 光大10号厅 (14:00 - 16:00)

-Conveners: Chen Zhou

Time	[id]	title	presenter
14:00	[210]	Observation of $WZ\gamma$ production in pp collisions with ATLAS detector	AI, Xiacong
14:15	[206]	Observation of $WW\gamma$ production	GUAN, Zhe
14:30	[207]	VBS $W\gamma$ at CMS	Prof. SUN, Xiaohu
14:45	[208]	ZZ cross section measurement at 13.6TeV with the ATLAS detector	WU, Xingyu
15:00	[209]	Evidence of pair-production of longitudinally polarized vector bosons in ZZ4l final states	DU, Dongshuo
15:15	[211]	Precise measurement of $Z\gamma$ +jets final state and search for neutral triple gauge couplings	LIU, Danning
15:30	[212]	Observation and measurement of the cross-sections of the electroweak and total production of a $Z\gamma$ pair in association with two jets in pp collisions at $\sqrt{s} = 13\text{TeV}$ with the ATLAS detector (remote)	LIU, Qibin
15:45	[213]	Observation of Four-Top-Quark Production in the Multi-lepton Final State with the ATLAS Experiment (remote)	CHEN, Xiang

TeV: BSM (2) - Function Room 10 光大10号厅 (16:20 - 18:20)

-Conveners: Junquan (军全) Tao (陶)

Time	[id]	title	presenter
16:24	[214]	Search for heavy Higgs bosons decaying to a top quark pair with the ATLAS detector	CAI, Yizhou
16:25	[215]	Search for a new high-mass resonance decaying into $Z\gamma$ final state in pp collisions at $\sqrt{s} = 13\text{TeV}$ with the ATLAS detector	ALVES, Fabio
16:26	[216]	Search for leptoquarks decaying into the $b\tau$ final state in pp collisions at $\sqrt{s} = 13\text{TeV}$ with the ATLAS detector	CHE, Yimin
16:27	[217]	Search for the production of an excited bottom quark decaying to tW (leptonic top + hadronic bottom) in pp collisions at 13 TeV (CMS)	HOU, Baorui
16:28	[218]	Search for a new heavy boson W' decaying to a top quark and a bottom quark with the ATLAS detector	YUAN, Rui
16:28	[218]	A search for heavy right-handed Majorana neutrinos with ATLAS	ZHAO, Tongbin