

第十一届中国LHC物理会议（CLHCP2025）

Thursday, 30 October 2025

Parallel 2: Higgs 1 (14:00 - 16:00)

-Conveners: yanping huang; Yanping Huang

time	[id] title	presenter
14:00	[403] Probing Higgs Couplings with Single- and Double-Higgs Measurements in ATLAS	ALVES, Fábio
14:20	[290] Study of Higgs boson CP properties in vector-boson fusion production in di-tau final state with the ATLAS detector	DE MARIA, Antonio
14:40	[409] Test of CP Invariance in Higgs Boson Vector-Boson-Fusion Production in the $H \rightarrow \gamma \gamma$ Channel using 165 fb-1 ATLAS Run-3 data	WANG, Shudong
15:00	[437] Combined measurement of the Higgs boson couplings with ATLAS detector	ZHENG, Guoqiang
15:20	[416] Measurements of Higgs boson properties in the $\gamma \gamma$ decay channel at CMS	IEMMI, Fabio
15:40	[424] Z_3-NMSSM with a Light Singlet Scalar under the Latest Experimental Constraints	Dr 周, 海静

Parallel 2: Higgs 2 (16:20 - 18:20)

-Conveners: Junquan (军全) TAO (陶)

time	[id] title	presenter
16:20	[426] Higgs Production Classifier using Weak Supervision	Prof. CHIANG, Cheng-Wei
16:40	[282] Evidence for the dimuon decay of the Higgs boson in $\mu\mu$ collisions with the ATLAS detector	MUSAJAN, Ehsan
17:00	[294] Correspondence between SMEFT and HEFT in Higgs physics	WANG, Jian
17:20	[316] Search for the Higgs boson decay to Zgamma with ATLAS detector	WU, Shaoguang
17:40	[333] Measurement of the Higgs boson production in association with top quarks in multilepton final states in ATLAS	LI, Jialin
18:00	[411] Search for CP-violation in Higgs interaction with vector bosons with the ATLAS detector	GUO, Fangyi

Friday, 31 October 2025

Parallel 2: Higgs 3 (14:00 - 16:00)

-Conveners: Xiaocong Ai

time	[id] title	presenter
14:00	[329] Highlights of the HL-LHC physics projections by ATLAS and CMS	Prof. ZHOU (周), Chen (辰)
14:20	[304] Probing the Higgs Boson Trilinear Self-Coupling with ATLAS (and ATLAS+CMS)	蔡, 以周
14:40	[311] A search for triple Higgs boson production in the 6b final state using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	WANG, Xinzhu
15:00	[383] Search for pair production of boosted Higgs bosons via vector-boson fusion in the $b\bar{b}\bar{b}\bar{b}$ final state using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	郑, 金超
15:20	[321] Constraining HHVV couplings via VBS VVH processes	YANG, Tianyi
15:40	[315] VBF H(bb/cc) Partial Run 2 and Partial Run 3 Analysis	DUAN, Shiya

Parallel 2: Higgs 4 (16:20 - 18:20)

-Conveners: Chen (辰) Zhou (周)

time	[id] title	presenter
16:20	[312] Search for dark matter produced in association with a dark Higgs boson in the $b\bar{b}$ final state using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector [Online]	LI, Changqiao
16:40	[468] The electroweak precision constraints of the 2HDM+S	苏, 伟
17:00	[297] Search for a resonance decaying into a scalar particle and a Higgs boson in the final state with two bottom quarks and two photons with 199 fb ⁻¹ of data collected at $\sqrt{s} = 13$ TeV and $\sqrt{s} = 13.6$ TeV with the ATLAS detector	Dr 张(ZHANG), 瑞(Rui)
17:20	[334] Search for light Higgs bosons in diphoton channel at CMS	TAO (陶), Junquan (军全)
17:40	[342] Search for HH/HY resonances with $\gamma\gamma$ in the final state at CMS	宋, 绍炜
18:00	[326] Search for boosted H $\rightarrow$ WW and prospects for boosted W $\rightarrow$ cb in the CMS Experiment	Mr GAO, Leyun

Saturday, 1 November 2025

Parallel 2: BSM 1 (14:00 - 16:00)

-Conveners: Yanlin (彦麟) Liu (刘)

time	[id] title	presenter
14:00	[300] ATLAS SUSY Summary: pMSSM scanning results	GUO, Lei
14:20	[357] Strong SUSY and RPV SUSY searches summary in ATLAS	梁诗怡, UNKNOWN
14:40	[320] Electroweakino and slepton search summary in ATLAS	袁, 家荣
15:00	[337] Search for heavy resonances decaying to two Z bosons at CMS	LIU, Geliang
15:20	[331] Enhancing di-jet Resonance Searches at the (HL)-LHC via FSR Tagging	Ms SHEN, Yuxuan
15:40	[365] Search for dark matter produced in association with a pair of bottom quarks at CMS	TIWARI, Praveen Chandra

Parallel 2: EW + top (16:20 - 18:20)

-Conveners: 子瑞 Zirui 王 Wang

time	[id] title	presenter
16:20	[372] Polarisation measurement of the same-sign WW vector boson scattering with the ATLAS detector	周, 展航
16:40	[406] Measurements of W+W- production cross-sections in pp collisions at 13TeV with the ATLAS detector	赵, 梓含
17:00	[405] Di-boson and Tri-boson measurements: ZGamma, WZGamma, and Same-Sign WWGamma	JIANG, Ruobing
17:20	[423] Study of spin correlation inside jets	朱, 名杨
17:40	[390] Measurement of the Z-boson mass	邓, 剑桥
18:00	[303] Study of Higgs boson pair production in the $\gamma\gamma \rightarrow \gamma\gamma\gamma\gamma$ final state with 308 fb ⁻¹ of data collected at $\sqrt{s} = 13$ TeV and 13.6 TeV by the ATLAS experiment	ZHOU, Yong