



## 中国物理学会高能物理分会第十二届全国会员代表大会暨学术年会

Wednesday, 15 July 2026

分会1: TeV物理和超出标准模型新物理 - 深圳厅 (14:00 - 18:10)

-Conveners: Chair1: 曹庆宏; Chair2: 卢建新

time	[id] title	presenter
14:00	[412] A fundamental understanding of QED vacuum and more	Prof. LU, JianXin
14:20	[413] Combination of ATLAS and CMS searches for Higgs boson pair production at 13 TeV	张(ZHANG), 瑞(Rui)
14:32	[143] Double Higgs searches at CMS	WANG, Jin
14:44	[130] Evidence for the dimuon decay of the Higgs boson and search for Higgs pair production with $b\bar{b}$ final state at ATLAS	LIU (刘), Yanlin (彦麟)
14:56	[271] Search for $X \rightarrow HH \rightarrow WW\gamma$	宋, 绍炜
15:08	[34] Search for $HH \rightarrow b\bar{b}\gamma$ at CMS	YANG, Chuxue
15:20	[73] The Higgs Study of the 2HDM+S under LHC and precision measurement	Prof. SU, Wei
15:32	茶歇	
16:00	[414] Entanglement in Electroweak Physics	CAO, Qing-Hong
16:20	[19] Measurements of Z-boson pair entanglement in decays of Higgs bosons at the ATLAS experiment	LIU, Mingyi
16:40	[79] Toward quantum simulations of sphaleron dynamics at colliders	ZHANG, 昊
16:52	[213] 近产生阈的费米子对自旋纠缠	王, 由凯
17:04	[186] Measurement of spin correlations induced by gluon polarization in parton showers with CMS	WANG, Shuangyuan
17:16	[225] 利用单点能量关联函数 (OPEC) 探测核子的横向性分布	Dr 李, 婉辰
17:28	[41] UV-HEFT matching	Prof. WAN, xia
17:40	[408] Search for Soft Unclustered Energy Patterns containing muons in the final state in pp collisions at 13 TeV with the ATLAS detector	夏, 力钢
17:52	[185] Four-top-quark production in final states with hadronically decaying tau leptons and search for vector-like leptons at $\sqrt{s} = 13$ TeV	华慧玲, UNKNOWN

## Thursday, 16 July 2026

## 分会1: TeV物理和超出标准模型新物理 - 深圳厅 (08:30 - 12:05)

-Conveners: Chair1: 杨海军; Chair2: 王青

time	[id] title	presenter
08:30	[95] Dark Matter Searches at the LHC	王 WANG, 子瑞 Zirui
08:50	[13] Complex $S\tau$ Electric Dipole Moment from GeV-Scale New Physics	ZOU, ZiYue
09:02	[92] Recent results of exotic physics searches at the CMS experiment	WANG (王), Hui (徽)
09:14	[200] CMS上通过单轻子末态寻找与顶夸克耦合的Z' 粒子	侯, 霄楠
09:26	[179] SUSY Search summary with VBF Signatures in Compressed scenarios	金, 文翊
09:38	[233] COMET: Search for Muon-to-Electron Conversion Experiment	郑, 韦豪
09:50	[277] Transformer-based Flavour Tagging in ATLAS	LIU, Bingxuan
10:02	茶歇	
10:30	[411] Symbolic Reduction of Multi-loop Feynman Integrals via Generating Functions	FENG, Bo
10:50	[161] Bootstrap two-loop six-gluon QCD amplitudes	ZHANG, Yang
11:02	[144] The four-loop non-singlet splitting functions in QCD	YANG, Tongzhi
11:14	[51] Physics at a High Energy Neutrino Collider	XIE, Keping
11:26	[247] Semi-Inclusive Deep-Inelastic Scattering at N3LO in QCD	Dr 董, 亮
11:38	[89] Techniques of Feynman integral computation and their applications	吴, 子昊
11:50	[180] Computation of Three-Loop Five-Point Feynman Integrals	XU, Yongqun

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-Conveners: Chair1: 阮曼奇; Chair2: 张华桥

time	[id] title	presenter
14:00	[409] Muon $g-2$ and EDM: Precision Probes of TeV-Scale New Physics	LI, Liang
14:20	[418] Astrophysical Probes to New Physics Beyond Standard Model	ZHAO, Yue
14:40	[133] Novel Light Dark Matter Detection with Quantum Parity Detector Using Qubit Arrays	SONG, Ningqiang
14:52	[239] Probing neutrino-light-quark effective scalar interactions from neutrino masses	Mr 陈, 丰之
15:04	[337] Search for ultralight scalar dark matter with quadratic interactions	Prof. LIU, Da
15:16	[336] 电弱相变引力波的探测	GUO, Huaik
15:28	[163] Light and Heavy Scalar Resonances in the GNMSSM with Correct Dark Matter Relic Abundance	Dr 连, 经伟
15:40	[158] Search for dark sector at BESIII	ZHANG, Jin
15:52	茶歇	
16:20	[187] Cross-section measurements for boosted $H \rightarrow \tau\tau$ with ATLAS experiment	DE MARIA, Antonio

16:40	[35] Search for light pseudoscalar bosons, pair-produced in Higgs boson decays in the four-electron final state in proton-proton collisions at $\sqrt{s} = 13$ TeV	WANG, Yipin
16:52	[178] Search for the Higgs boson decay to a $Z\gamma$ boson and a photon in $pp$ collisions at $\sqrt{s}=13\text{ TeV}$ and $13.6\text{ TeV}$ with the ATLAS detector	段, 晨风
17:04	[48] Higgs boson property measurements and new resonance searches in the diphoton channel at CMS	TAO (陶), Junquan (军全)
17:16	[156] Approximate $N^2SLO$ and $N^3SLO$ QCD Predictions for $tW$ Production	丁, 家乐
17:28	[25] Resummed azimuthal decorrelation and transverse momentum imbalance of dijets at the LHC	FU, Rong-Jun
17:40	[17] The charged Lepton Flavor Violation with trilinear R-parity Violating SUSY	肖, 雨奇
17:52	[365] Deep-learning boosted hadronic Higgs precise measurements at future $e^+e^-$ Higgs factories	朱, 逸凡

## Friday, 17 July 2026

分会1: TeV物理和超出标准模型新物理 - 深圳厅 (08:30 - 12:05)

-Conveners: Chair1: 黄燕萍; Chair2: 冯波

time	[id] title	presenter
08:30	[44] Cross section measurement and EFT interpretation of $\gamma\gamma \rightarrow WW$ in proton-proton collisions at 13 TeV	WANG, Dayong
08:50	[32] Recent Multi-Boson and Multi-Higgs results from ATLAS	LI, Shu
09:02	[145] Search for ZZ vector boson scattering in the $ll\nu\nu$ final state at 13 TeV with CMS detector	刘, 宠
09:14	[49] Observation of pair production of longitudinally polarised Z bosons in four-lepton final state with the ATLAS detector	WU, Xingyu
09:26	[150] Evidence of $\tau\tau$ production with the ATLAS detector	WANG, Wenjing
09:38	[172] Identify the b-quark jet using the High-Level Trigger information with the ATLAS detector	LIU, Bo
09:50	[99] CMS上希格斯玻色子衰变到Z玻色子和光子的寻找	张, 铭滔
10:02	茶歇	
10:30	[410] Origin of Mass and Scattering Amplitudes	HE, Hong-Jian
10:50	[36] 格点模拟对称性破缺过程及相关唯象学	边, 立功
11:02	[10] Constructing Massive Gauge Theory from Consistency Conditions	谌, 俊谋
11:14	[88] 对散射振幅的隐藏零点、2-分裂性质的理解与推广	周, 康
11:26	[26] 基于因子分解通道的 CHY 积分构造与精确整数约束传播研究	张, 曜勃
11:38	[342] The fate of Chiral Gauge theory	Dr LI, Hao-Lin
11:50	[438] Unveiling Light-Quark Yukawa Flavor Structure via Dihadron Fragmentation at Lepton Colliders	YAN, Bin