



## 中国物理学会高能物理分会第十四届全国粒子物理学术会议 (2024)

Thursday, 15 August 2024

分会场一：TeV物理和超出标准模型新物理 (二) - 锦华宫A (08:30 - 12:06)

-Conveners: Yanlin (彦麟) Liu (刘) ; Zongguo Si; Haitao Li; Yusheng Wu

time	[id] title	presenter
08:30	[488] Some works on the top-pair production at the high-energy colliders	WU, Xing-Gang
08:45	[489] Partial NLO electroweak corrections to Higgs pair production in gluon fusion	张, 晓
08:57	[490] NNNLO QCD predictions for heavy quark decays	王, 焯凡
09:09	[491] Search for T-odd mechanisms beyond the Standard Model with a transversely polarized electron target?	GOU, Boxing
09:21	[492] A review of Higgs property measurements from ATLAS	HUANG, Yanping
09:36	[493] Combination of searches for Higgs boson pair production in ATLAS	WU, Shaoguang
09:48	[494] Search for pair production of boosted Higgs bosons via vector-boson fusion in the bbbb final state using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	WANG, Zhen
10:00	茶歇	
10:15	[495] Higgs rare production and decay at CMS	ZHOU, Chen
10:30	[498] Measurements of Higgs properties in ZZ and $\gamma\gamma$ channels at CMS	张, 辰光
10:42	[496] Measurement of Higgs boson mass and width with LHC run2 data at the ATLAS experiment	ZHANG, Yangfan
10:54	[497] Preliminary studies for a STXS simplified fiducial decay volume for the four lepton final state of the Higgs boson	李, 涵
11:06	[499] Potential search for direct slepton pair production in $\sqrt{s} = 360$ GeV at CEPC	LYU, Feng
11:18	[500] Generic EFT for all Masses and Spins	MA, Teng
11:30	[501] Matching Higgs triplets to HEFT: non-decoupling and polar coordinates	WAN, xia
11:42	[502] Massive Scattering Amplitudes for Standard Model: On-shell Massless-Massive Correspondence and the On-shell Higgsing	倪, 郁涵
11:54	[503] Systematic investigations on dark matter direct detection in effective field theories	王, 昊琳

分会场一：TeV物理和超出标准模型新物理 (三) - 锦华宫A (14:00 - 18:03)

-Conveners: Jian Wang; Mingshui Chen; Bin Yan; Chen (辰) Zhou (周)

time	[id] title	presenter
14:00	[504] A review of searches for Higgs rare decays from ATLAS	LI, Haifeng

14:15	[505] Precision measurement of $Z\gamma$ +jets differential cross-section using full run2 data in ATLAS	YANG, Xuan
14:27	[506] Combination of searches for Higgs boson decays into a photon and a massless dark photon using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	VU, Ngoc Khanh
14:39	[507] Search for an exotic decay of the Higgs boson into a Z boson and a pseudoscalar particle in proton-proton collisions at 13 TeV with CMS	王, 泽炳
14:51	[508] Differential cross section measurement of Higgs boson in gg and ZZ channels in CMS	JAVAID TAHIR, UNKNOWN
15:03	[509] From Quantum Entanglement to Quantum Reality—Testing Bell inequalities in W boson pair production	张, 昊
15:18	[510] long-lived scalar search	苏, 伟
15:30	[511] Electroweak Precision Measurements of the nearly degenerate Z-Z' system	TANG, Yilei
15:42	[512] Probing Neutral Triple Gauge Couplings via $Z\gamma(\ell+\ell\gamma)$ Production at e+e Colliders	LIU, Danning
15:54	茶歇	
16:09	[513] Towards NNLO calculation for high energy production of tTH	YANG, Lilin
16:24	[514] An Explicit Expression of Generating Function for One-Loop Tensor Reduction	胡, 畅
16:36	[515] Semi-automatic Calculations of Feynman Amplitudes with AmpRed	陈, 文
16:48	[516] Fragmentation functions at future lepton colliders	周, 斌
17:00	[517] Testing Electroweak Phase Transition and Dark Matter Phenomenology at the LHC	张, 文星
17:12	[518] Recent results of multi-boson measurements in CMS	SUN, Xiaohu
17:27	[521] Searches for Higgs boson production through decays of heavy resonances at CMS	王, 储
17:39	[519] Search for a resonance decaying into a scalar particle and a Higgs boson in final states with leptons and two photons in proton-proton collisions at $\sqrt{s}=13$ TeV	LIU, Bo
17:51	[520] Studies of new Higgs boson interactions through nonresonant HH production in the $b\bar{b}\gamma\gamma$ final state in ATLAS	张, 翼翔

## Friday, 16 August 2024

## 分会场一: TeV物理和超出标准模型新物理 (四) - 锦华宫A (08:30 - 12:06)

-Conveners: Hong Zhang; 雷武; Shu Li; Li Yuan

time	[id] title	presenter
08:30	[522] Recent ATLAS results of Dark Matter combinations and Dark Higgs searches	LI, Shu
08:45	[523] Search for diresonant new physics in a final state comprising a gluon and two hadronically decaying W bosons	AGAPITOS, Antonios 付, 大为
08:57	[524] Search for new Higgs bosons via same-sign top quark pair production in association with a jet at CMS	YOU, Zhengyun
09:09	[525] Low energy supernova constraints on new light particles	LIU, Zuwei
09:21	[526] Probing the quirk particle at the LHC forward detectors	LI, Jinmian
09:33	[527] Dark matter searches at neutrino experiments	SONG, Ningqiang
09:45	[528] Sterile neutrinos as a Window to New Physics	LI, Gang
09:57	茶歇	
10:12	[530] Search for additional scalars at CMS	TAO (陶), Junquan (军全)
10:27	[529] Summary studies of the ATLAS Run2 SUSY searches at the LHC	LIU, Yang
10:42	[531] Combination of searches for heavy spin-1 resonances with the ATLAS detector	袁, 睿
10:54	[532] Search for the direct production of supersymmetric particles in final states with light leptons and tau leptons with the ATLAS detector	蔡, 雨辰
11:06	[533] An SU(8) theory of SM quarks and leptons	陈, 宁
11:18	[534] UV divergences of loops, the Higgs boson's low mass and the graviton loop in quantizing Einstein gravity	贾, 连宝
11:30	[535] Hybrid type-II and type-III seesaw solution for the muon $g-2$ anomaly	HE, Shi-Ping
11:42	[536] Higgs boson pair production and decay to $Sb\bar{b}\gamma\gamma S$ at NLO in QCD	赵, 丹
11:54	[537] A Comparative Study of Searching for Charged Lepton Flavor Violation at future lepton colliders	LI, Jingshu