

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

Thursday, 16 November 2023

Theory: QCD (1) - Function Room 9 光大9号厅 (14:00 - 16:00)

-Conveners: Haitao Li

time	[id] title	presenter
14:00	[3] Factorization of Non-Global LHC Observables and Resummation of Super-Leading Logarithms	SHAO, Dingyu
14:20	[10] Production and Decay of Top Quarks at Lepton Colliders at N ³ LO in QCD	Dr CHEN, Long
14:40	[1] $S\chi_c-\chi_c^{\prime}$ mixing From Lattice QCD	LIU, Hang
15:00	[8] Nonperturbative fitting in resummation calculation	FU, Yao
15:20	[2] Transverse-Momentum-Dependent Wave Functions of Pion from Lattice QCD	Mr CHU, Minhuan
15:40	[6] Automated calculation of Jet fragmentation at NLO in QCD	刘, 重阳

Theory: BSM (1) - Function Room 9 光大9号厅 (16:20 - 18:20)

-Conveners: Bin Yan

time	[id] title	presenter
16:20	[47] Hunting for sterile neutrino at colliders	QIAO, Cong-Feng
16:40	[24] Theoretical Motivations for Hidden Light Bosons	Prof. VISINELLI, Luca
17:00	[52] Heavy long-lived coannihilation partner from inelastic Dark Matter model and its signatures at the LHC	HE, Yuxuan
17:20	[51] Unveiling time-varying signals of ultralight bosonic dark matter at collider and beam dump experiments	GUO, Jinhui
17:40	[44] Dark matter distribution, structure formation and the potential to distinguish thermal histories of dark matter.	LI, Yuan-Zhen
18:00	[56] Massive gauge theory with quasigluon for hot $SU(N)$: Phase transition and thermodynamics	ZHU, Jiang

Friday, 17 November 2023

Theory: BSM (2) - Function Room 9 光大9号厅 (14:00 - 16:00)

-Conveners: Shao-Feng Ge

time	[id] title	presenter
14:00	[21] SBS meson anomalies and large $S_{B^+} \to K^+ \nu \bar{\nu}$ in non-universal $SU(1)_{\text{prime}}$ models	SIERRA FONSECA, CRISTIAN FELIPE
14:20	[48] Probing Neutral Triple Gauge Couplings at the LHC, CEPC and SPPC	XIAO, Ruiqing
14:40	[19] Probing Inelastic Dark Matter at the LHC, FASER and STCF	Prof. LU, Chih-Ting
15:00	[26] Dark photon effects with the kinetic and mass mixing in $SZ \to \tau^- \tau^+ S$	XING, zhi-peng
15:20	[39] Aiming for Tops of ALPs with a Muon Collider	ZHANG, Yufei
15:40	[57] Electroweak phase transitions proceed via bubbles vs. domain walls (Remote)	JIANG, Yun

Theory: QCD (2) - Function Room 9 光大9号厅 (16:20 - 18:20)

-Conveners: Dingyu Shao

time	[id] title	presenter
16:20	[7] Probing the spin-dependent fragmentation function in unpolarized pp and AA collisions at the LHC (Remote)	Prof. WEI, Shu-Yi
16:40	[20] Hybrid Renormalization for Quasi Distribution Amplitudes of A Light Baryon	ZHANG, Jialu
17:00	[36] Elliptic anisotropy of hard probes from parton scatterings in small collision systems	汤, 思宇
17:20	[30] Precise prediction for the top quark width	王, 烨凡
17:40	[181] New perspectives on UV divergences of loops and the hierarchy problem	JIA, Lianbao

Saturday, 18 November 2023

Theory: EFT/EW - Function Room 9 光大9号厅 (08:30 - 10:30)

-Conveners: Jun Gao

time	[id] title	presenter
08:30	[11] Operators Correlation in Electroweak Scattering at LHC	DING, Jian-Nan
08:50	[13] Probing positivity at LHC with exclusive photon-fusion processes	SHU, Chi
09:10	[41] Explaining the CDF W-mass shift and $(g-2)_\mu$ in a SZ^\prime scenario and its implications for the $b \rightarrow s e11^+ e11^-$ processes	兴博, 袁
09:30	[46] Double Parton Scattering Effect in the Measurement of W-Mass	ZHANG, Rui
09:50	[42] Massive Scattering Amplitudes for Standard Model: On-shell Massless-Massive Correspondence	倪, 郁涵
10:10	[35] MatchingEFT.jl: An Automated Tool for Tree and One-Loop Level Matching	杨, 成杰

Sunday, 19 November 2023

Theory: Higgs/EWPT - Function Room 9 光大9号厅 (14:00 - 16:00)

-Conveners: Gang Li

time	[id] title	presenter
14:00	[23] Cosmological Phase Transitions in Composite Higgs Models	WANG, Yaoduo
14:20	[31] Lattice study of singlet-assisted electroweak phase transition	XIA, Guotao
14:40	[53] 利用有限温度有效理论研究电弱相变	覃, 仁晖
15:00	[33] Electroweak sphalerons, scalar multiplets, and symmetry breaking patterns	WU, Yanda
15:20	[54] BBN和CMB限制低能标新物理	邓, 世豪
15:40	[55] Testing Complex Singlet Scalar Cosmology at the Large Hadron Collider	ZHANG, Wenxing

Theory: Heavy Flavor - Function Room 9 光大9号厅 (16:20 - 18:20)

-Conveners: Xiaoping Wang

time	[id] title	presenter
16:20	[50] $B \rightarrow D$ form factors beyond leading power and extraction of $ V_{cb} $ and $R(D)$	WEI, Yan-bing
16:40	[28] $B_{(s)} \rightarrow D^{(*)}_{(s)}$ form factors in HQEFT and model independent analysis of relevant semileptonic decays with NP effects	Dr 左, 亚兵
17:00	[14] Possible large CP violation in charmed Λ_b decays	SHEN, Yin-Fa
17:20	[38] Limiting FCNC induced by a CP symmetry of order 4	ZHAO, Duanyang
17:40	[15] Double-mixing CP violation	SONG, wen jie
18:00	[29] Muon collider signatures for a Z' with a maximal $\mu - \tau$ coupling in $SU(1)_{L_\mu - L_\tau}$	Dr HUANG, Fei