

SCI Papers of ITP in 2024

No.	Article Title	Authors	Source Title	Year	Volume	Issue	Page	DOI Link
1	A complete set of the dimension-8 Green's basis operators in the Standard Model effective field theory	Ren, Zhe; Yu, Jiang-Hao	JOURNAL OF HIGH ENERGY PHYSICS	2024		2	134	http://dx.doi.org/10.1007/JHEP02(2024)134
2	A critical edge number revealed for phase stabilities of two-dimensional ball-stick polygons	Zhu, Ruijian; Wang, Yanting	NATURE COMMUNICATIONS	2024	15	1	6389	http://dx.doi.org/10.1038/s41467-024-50796-x
3	A family of quantum von Neumann architecture	Wang, Dong-Sheng	CHINESE PHYSICS B	2024	33	8	80302	http://dx.doi.org/10.1088/1674-1056/ad50be
4	A high-precision result for a full-color three-loop three-point form factor in $N=4$ SYM	Guan, Xin; Lin, Guanda; Liu, Xiao; Ma, Yan-Qing; Yang, Gang	JOURNAL OF HIGH ENERGY PHYSICS	2024		2	201	http://dx.doi.org/10.1007/JHEP02(2024)201
5	A PAge-like Unified Dark Fluid model	Wang, Junchao; Huang, Zhiqi; Yao, Yanhong; Liu, Jianqi; Huang, Lu; Su, Yan	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2024		9	53	http://dx.doi.org/10.1088/1475-7516/2024/09/053
6	A regularized (XP) ² model	Chen, Yu-Qi; Ge, Zhao-Feng	PHYSICA SCRIPTA	2024	99	3	35239	http://dx.doi.org/10.1088/1402-4896/ad25d4
7	A string-theoretical analog of non-maximal chaos in some Sachdev-Ye-Kitaev-like models	Tian, Chushun; Ma, Chen; Chen, Jin	JOURNAL OF HIGH ENERGY PHYSICS	2024		1	196	http://dx.doi.org/10.1007/JHEP01(2024)196
8	A universal splitting of tree-level string and particle scattering amplitudes	Cao, Qu; Dong, Jin; He, Song; Shi, Canxin	PHYSICS LETTERS B	2024	856		138934	http://dx.doi.org/10.1016/j.physletb.2024.138934
9	Advancing space-based gravitational wave astronomy: Rapid parameter estimation via normalizing flows	Du, Minghui; Liang, Bo; Wang, He; Xu, Peng; Luo, Ziren; Wu, Yueliang	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2024	67	3	230412	http://dx.doi.org/10.1007/s11433-023-2270-7
10	All-loop geometry for four-point correlation functions	He, Song; Huang, Yu-tin; Kuo, Chia-Kai	PHYSICAL REVIEW D	2024	110	8	L081701	http://dx.doi.org/10.1103/PhysRevD.110.L081701
11	All-optical temporal logic gates in localized exciton polaritons	Li, Hui; Chen, Fei; Jia, Haoyuan; Ye, Ziyu; Zhou, Hang; Luo, Song; Shi, Junheng; Sun, Zhenrong; Xu, Huailiang; Xu, Hongxing; Byrnes, Tim; Chen, Zhanghai; Wu, Jian	NATURE PHOTONICS	2024	18	8	864+	http://dx.doi.org/10.1038/s41566-024-01483-2
12	An explicit expression of generating function for one-loop tensor reduction	Hu, Chang; Li, Tingfei; Shen, Jiyuan; Xu, Yongqun	JOURNAL OF HIGH ENERGY PHYSICS	2024		2	158	http://dx.doi.org/10.1007/JHEP02(2024)158
13	An explicit expression of generating function for one-loop tensor reduction (vol 2024, 158, 2024)	Hu, Chang; Li, Tingfei; Shen, Jiyuan; Xu, Yongqun	JOURNAL OF HIGH ENERGY PHYSICS	2024		7	68	http://dx.doi.org/10.1007/JHEP07(2024)068
14	An observable in Classical Pure AdS ₃ Gravity: the twist along a geodesic	Wang, Xiao-Shuai; Wu, Jie-qiang	JOURNAL OF HIGH ENERGY PHYSICS	2024		5	111	http://dx.doi.org/10.1007/JHEP05(2024)111
15	Analytical solutions of equatorial geodesic motion in Kerr spacetime	Liu, Yan; Sun, Bing	CHINESE PHYSICS C	2024	48	4	45107	http://dx.doi.org/10.1088/1674-1137/ad260a
16	Angular correlation and deformed Hellings-Downs curve from spin-2 ultralight dark matter	Cai, Rong-Gen; Zhang, Jing-Rui; Zhang, Yun-Long	PHYSICAL REVIEW D	2024	110	4	44052	http://dx.doi.org/10.1103/PhysRevD.110.044052
17	Asymmetric nucleation processes in spontaneous mode switch of active matter	Yang, Bing; Wang, Yanting	COMMUNICATIONS IN THEORETICAL PHYSICS	2024	76	5	55602	http://dx.doi.org/10.1088/1572-9494/ad3426
18	Axion dark matter with explicit Peccei-Quinn symmetry breaking in the axiverse	Li, Hai-Jun	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2024		9	25	http://dx.doi.org/10.1088/1475-7516/2024/09/025
19	Axion limits from the 10-year gamma-ray emission 1ES 1215+303	Li, Hai-Jun; Chao, Wei; Zhou, Yu-Feng	PHYSICS LETTERS B	2024	850		138531	http://dx.doi.org/10.1016/j.physletb.2024.138531
20	Axionlike dark matter from the type-II seesaw mechanism	Chao, Wei; Jin, Mingjie; Li, Hai-Jun; Peng, Ying-Quan; Wang, Yue	PHYSICAL REVIEW D	2024	109	11	115027	http://dx.doi.org/10.1103/PhysRevD.109.115027
21	Baryons as vortexes on the η' domain wall	Lin, Fan; Ma, Yong-Liang	JOURNAL OF HIGH ENERGY PHYSICS	2024		5	270	http://dx.doi.org/10.1007/JHEP05(2024)270
22	Beauty-charm meson family with coupled channel effects and their strong decays	Hao, Wei; Zhu, Ruilin	CHINESE PHYSICS C	2024	48	12	123101	http://dx.doi.org/10.1088/1674-1137/ad75f5
23	Beginning inflation in conformally curved spacetimes	Joana, Cristian	PHYSICAL REVIEW D	2024	110	6	63534	http://dx.doi.org/10.1103/PhysRevD.110.063534
24	Bending-Rotation Coupling in the Viscoelasticity of Semiflexible Polymers-Rigorous Perturbation Analysis from the Rod Limit	Xiong, Zhongqiang; Seto, Ryohei; Doi, Masao	MACROMOLECULES	2024	57	11	5289-5299	http://dx.doi.org/10.1021/acs.macromol.4c00532
25	Bilayer t-J-J(sic) Model and Magnetically Mediated Pairing in the Pressurized Nickelate La ₃ Ni ₂ O ₇	Qu, Xing-Zhou; Qu, Dai -Wei; Chen, Jialin; Wu, Congjun; Yang, Fan; Li, Wei; Su, Gang	PHYSICAL REVIEW LETTERS	2024	132	3	36502	http://dx.doi.org/10.1103/PhysRevLett.132.036502

26	Broken blue-tilted inflationary gravitational waves: a joint analysis of NANOGrav 15-year and BICEP/Keck 2018 data	Jiang, Jun-Qian; Cai, Yong; Ye, Gen; Piao, Yun-Song	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2024		5	4	http://dx.doi.org/10.1088/1475-7516/2024/05/004
27	Calibration of the cryogenic measurement system of a resonant haloscope cavity	He, Dong; ...Li, Tianjun; etc	CHINESE PHYSICS C	2024	48	7	73004	http://dx.doi.org/10.1088/1674-1137/ad4267
28	Can Bell inequalities be tested via scattering cross-section at colliders ?	Li, Song; Shen, Wei; Yang, Jin Min	EUROPEAN PHYSICAL JOURNAL C	2024	84	11	1195	http://dx.doi.org/10.1140/epjc/s10052-024-13584-x
29	Categorizing SU(3)f representations of scalar mesons by J=ψ decays	Geng, Chao-Qiang; Liu, Chia-Wei; Yu, Xiao; Zhou, Ao-Wen	PHYSICAL REVIEW D	2024	110	1	14014	http://dx.doi.org/10.1103/PhysRevD.110.014014
30	Charging solid partitions	Galakhov, Dmitry; Li, Wei	JOURNAL OF HIGH ENERGY PHYSICS	2024		1	43	http://dx.doi.org/10.1007/JHEP01(2024)043
31	Charmless decays of the spin-2 partner of X(3872)	Cai, Zu-Xin; Jia, Zhao-Sai; Li, Gang; Liu, Shi-Dong; Xie, Ju-Jun	EUROPEAN PHYSICAL JOURNAL C	2024	84	10	1019	http://dx.doi.org/10.1140/epjc/s10052-024-13424-y
32	Chemical Rules for Stacked Kagome and Honeycomb Topological Semimetals	Zhou, Liqin; Yang, Fazhi; Zhang, Shuai; Zhang, Tiantian	ADVANCED MATERIALS	2024	36	15		http://dx.doi.org/10.1002/adma.202309803
33	Chiral algebra from worldsheet	Li, Wei	JOURNAL OF HIGH ENERGY PHYSICS	2024		6	24	http://dx.doi.org/10.1007/JHEP06(2024)024
34	Chiral kagome superconductivity modulations with residual Fermi arcs	Deng, Hanbin; ...Wu, Xianxin; ... Zhou, Sen; etc.	NATURE	2024	632	8026		http://dx.doi.org/10.1038/s41586-024-07798-y
35	Classification of high-ordered topological nodes towards Moiré flat bands in twisted bilayers	Cui, Fan; Le, Congcong; Zhang, Qiang; Wu, Xianxin; Hu, Jiangping; Chiu, Ching-Kai	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2024	67	9	297012	http://dx.doi.org/10.1007/s11433-024-2410-9
36	Climbing over the potential barrier during inflation via null energy condition violation	Pan, Shi; Cai, Yong; Piao, Yun-Song	EUROPEAN PHYSICAL JOURNAL C	2024	84	9	976	http://dx.doi.org/10.1140/epjc/s10052-024-13340-1
37	Clockwork axion footprint on nanohertz stochastic gravitational wave background	Lu, Bo-Qiang; Chiang, Cheng-Wei; Li, Tianjun	PHYSICAL REVIEW D	2024	109	10	L101304	http://dx.doi.org/10.1103/PhysRevD.109.L101304
38	Closer look at the matching condition for radiative QCD θ parameter	Banno, Tatsuya; Hisano, Junji; Kitahara, Teppei; Osamura, Naohiro	JOURNAL OF HIGH ENERGY PHYSICS	2024		2	195	http://dx.doi.org/10.1007/JHEP02(2024)195
39	Color-kinematics duality and dual conformal symmetry for a four-loop form factor in N=4 SYM	Lin, Guanda; Yang, Gang; Zhang, Siyuan	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2024	67	4	241011	http://dx.doi.org/10.1007/s11433-023-2304-8
40	Color-kinematics duality with minimal deformation: two-loop four-gluon amplitudes in pure Yang-Mills revisited	Li, Zeyu; Yang, Gang	JOURNAL OF HIGH ENERGY PHYSICS	2024		2	199	http://dx.doi.org/10.1007/JHEP02(2024)199
41	Complementary LHC searches for UV resonances of the 0νββ decay operators	Li, Gang; Yu, Jiang-Hao; Zhao, Xiang	PHYSICAL REVIEW D	2024	109	5	55012	http://dx.doi.org/10.1103/PhysRevD.109.055012
42	Complete CP eigen-bases of mesonic chiral Lagrangian up to p8-order	Li, Xuan-He; Sun, Hao; Tang, Feng-Jie; Yu, Jiang-Hao	JOURNAL OF HIGH ENERGY PHYSICS	2024		8	189	http://dx.doi.org/10.1007/JHEP08(2024)189
43	Complete CP-eigen bases of meson-baryon chiral lagrangian up to p5-order	Song, Chuan-Qiang; Sun, Hao; Yu, Jiang-Hao	JOURNAL OF HIGH ENERGY PHYSICS	2024		9	171	http://dx.doi.org/10.1007/JHEP09(2024)171
44	Complete EFT operator bases for dark matter and weakly-interacting light particle	Song, Huayang; Sun, Hao; Yu, Jiang-Hao	JOURNAL OF HIGH ENERGY PHYSICS	2024		5	103	http://dx.doi.org/10.1007/JHEP05(2024)103
45	Complete tree-level dictionary between simplified BSM models and SMEFT d ≤ 7 operators	Li, Xu-Xiang; Ren, Zhe; Yu, Jiang-Hao	PHYSICAL REVIEW D	2024	109	9	95041	http://dx.doi.org/10.1103/PhysRevD.109.095041
46	Complete UV resonances of the dimension-8 SMEFT operators	Li, Hao-Lin; Ni, Yu-Han; Xiao, Ming-Lei; Yu, Jiang-Hao	JOURNAL OF HIGH ENERGY PHYSICS	2024		5	238	http://dx.doi.org/10.1007/JHEP05(2024)238
47	Comprehensive study of axion photoproduction off the nucleon in chiral effective field theory	Cao, Xiong-Hui; Guo, Zhi-Hui	PHYSICAL REVIEW D	2024	110	9	95025	http://dx.doi.org/10.1103/PhysRevD.110.095025
48	Constrain the time variation of the gravitational constant via the propagation of gravitational waves	Sun, Bing; An, Jiachen; Cao, Zhoujian	PHYSICS LETTERS B	2024	848		138350	http://dx.doi.org/10.1016/j.physletb.2023.138350
49	Constraining the graviton mass with the NANOGrav 15 year data set	Wu, Yu-Mei; Chen, Zu-Cheng; Bi, Yan-Chen; Huang, Qing-Guo	CLASSICAL AND QUANTUM GRAVITY	2024	41	7	75002	http://dx.doi.org/10.1088/1361-6382/ad2a9b
50	Constraints on Einstein-dilaton Gauss-Bonnet gravity with Taiji	Luo, Weilong; Liu, Chang; Guo, Zong-Kuan	EUROPEAN PHYSICAL JOURNAL C	2024	84	4	394	http://dx.doi.org/10.1140/epjc/s10052-024-12735-4
51	Constraints on the primordial black hole abundance through scalar-induced gravitational waves from Advanced LIGO and Virgo's first three observing runs	Jiang, Yang; Yuan, Chen; Li, Chong-Zhi; Huang, Qing-Guo	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2024		12	16	http://dx.doi.org/10.1088/1475-7516/2024/12/016

52	Constraints on the velocity of gravitational waves from the NANOGrav 15-year data set	Bi, Yan-Chen; Wu, Yu-Mei; Chen, Zu-Cheng; Huang, Qing-Guo	PHYSICAL REVIEW D	2024	109	6	L061101	http://dx.doi.org/10.1103/PhysRevD.109.L061101
53	Constraints on ultra-slow-roll inflation with the NANOGrav 15-Year dataset	Mu, Bo; Liu, Jing; Cheng, Gong; Guo, Zong-Kuan	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2024		11	65	http://dx.doi.org/10.1088/1475-7516/2024/11/065
54	Constructibility of AdS Supergluon Amplitudes	Cao, Qu; He, Song; Tang, Yichao	PHYSICAL REVIEW LETTERS	2024	133	2	21605	http://dx.doi.org/10.1103/PhysRevLett.133.021605
55	Continuously tunable single-photon level nonlinearity with Rydberg state wave-function engineering	Xu, Biao; Ye, Gen-Sheng; Chang, Yue; Shi, Tao; Li, Lin	REPORTS ON PROGRESS IN PHYSICS	2024	87	11	110502	http://dx.doi.org/10.1088/1361-6633/ad847e
56	Corrections to Landau Fermi-liquid fixed-point approximation in nonlinear bosonized theory: An application to gLA in nuclei	Shao, Long-Qi; Rho, Mannque	PHYSICAL REVIEW C	2024	110	1	15204	http://dx.doi.org/10.1103/PhysRevC.110.015204
57	Cosmological constraints on neutrino mass within consistent cosmological models	Pang, Ye-Huang; Zhang, Xue; Huang, Qing-Guo	CHINESE PHYSICS C	2024	48	6	65102	http://dx.doi.org/10.1088/1674-1137/ad34c0
58	Cosmological interpretation for the stochastic signal in pulsar timing arrays	Wu, Yu-Mei; Chen, Zu-Cheng; Huang, Qing-Guo	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2024	67	4	240412	http://dx.doi.org/10.1007/s11433-023-2298-7
59	Counting the number of solutions in satisfiability problems with tensor-network message passing	Wu, Qin-Han; Wang, Yi-Jia; Shen, Zi-Song; Ye, Cheng; Zhang, Pan	PHYSICAL REVIEW E	2024	110	3	34126	http://dx.doi.org/10.1103/PhysRevE.110.034126
60	Crossover between electron-electron and electron-phonon mediated pairing on the kagome lattice	Wu, Xianxin; Chakraborty, Debmalya; Schnyder, Andreas P.; Greco, Andres	PHYSICAL REVIEW B	2024	109	1	14517	http://dx.doi.org/10.1103/PhysRevB.109.014517
61	Crossover from Fermi to Bose polarons in one- and two-dimensional interacting Fermi gases	Shi, Yue-Ran; Liu, Ruijin; Zhang, Wei	PHYSICAL REVIEW A	2024	110	1	13324	http://dx.doi.org/10.1103/PhysRevA.110.013324
62	Curvature induces and enhances transport of spinning colloids through narrow channels	Cereceda-Lopez, Eric; De Corato, Marco; Pagonabarraga, Ignacio; Meng, Fanlong; Tierno, Pietro; Ortiz-Ambriz, Antonio	SOFT MATTER	2024	20	38	7615-7622	http://dx.doi.org/10.1039/d4sm00829d
63	Cutting the traintracks: Cauchy, Schubert and Calabi-Yau (vol 2023, 072, 2023)	Cao, Qu; He, Song; Tang, Yichao	JOURNAL OF HIGH ENERGY PHYSICS	2024		2	88	http://dx.doi.org/10.1007/JHEP02(2024)088
64	$D^+ \rightarrow K \pi^0 \pi^+ \eta$ reaction and $a_0(980)^+$	Ikeno, Natsumi; Dias, Jorgivan M.; Liang, Wei-Hong; Oset, Eulogio	EUROPEAN PHYSICAL JOURNAL C	2024	84	5	469	http://dx.doi.org/10.1140/epjc/s10052-024-12844-0
65	Dark photon constraints from a 7.139 GHz cavity haloscope experiment	He, Dong; Fan, Jie; Gao, Xin; Gao, Yu; Houston, Nick; Ji, Zhongqing; Jin, Yirong; Li, Chuang; Li, Jinmian; Li, Tianjun; Liu, Shi-hang; Niu, Jia-Shu; Peng, Zhihui; Sun, Liang; Sun, Zheng; Wang, Jia; Wei, Puxian; Wu, Lina; Xiang, Zhongchen; Yang, Qiaoli; Zhang, Chi; Zhang, Wenxing; Zhang, Xin; Zheng, Dongning; Zheng, Ruifeng; Zhou, Jian-yong	PHYSICAL REVIEW D	2024	110	2	L021101	http://dx.doi.org/10.1103/PhysRevD.110.L021101
66	Decoding functional impact of epigenetic regulator mutations on ligand-receptor interaction perturbations for evaluation of cancer immunotherapy	Shi, Aiai; Lin, Chaohuan; Lyu, Jie	JOURNAL OF CELLULAR AND MOLECULAR MEDICINE	2024	28	18	e70009	http://dx.doi.org/10.1111/jcmm.70009
67	Defect two-point functions in 6D (2,0) theories	Chen, Jundong; Gimenez-Grau, Aleix; Zhou, Xinan	PHYSICAL REVIEW D	2024	109	6	L061903	http://dx.doi.org/10.1103/PhysRevD.109.L061903
68	Detecting the dark sector through scalar-induced gravitational waves	Sui, Xiao-Bin; Liu, Jing; Yang, Xing-Yu; Cai, Rong-Gen	PHYSICAL REVIEW D	2024	110	10	103541	http://dx.doi.org/10.1103/PhysRevD.110.103541
69	Detecting the flavor content of the vacuum using the Dirac operator spectrum	Liang, Jian; Alexandru, Andrei; Bi, Yu-Jiang; Draper, Terrence; Liu, Keh-Fei; Yang, Yi-Bo	PHYSICAL REVIEW D	2024	110	9	94513	http://dx.doi.org/10.1103/PhysRevD.110.094513
70	Detecting ultralight dark matter gravitationally with laser interferometers in space	Yu, Jiang-Chuan; Cao, Yan; Tang, Yong; Wu, Yue-Liang	PHYSICAL REVIEW D	2024	110	2	23025	http://dx.doi.org/10.1103/PhysRevD.110.023025
71	Development of generic no-scale inflation	Wu, Lina; Shen, Jin-Ke; Li, Tianjun; Pei, Junle	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2024		7	36	http://dx.doi.org/10.1088/1475-7516/2024/07/036
72	Discovery of New Isotopes 160Os and 156W: Revealing Enhanced Stability of the N=82 Shell Closure on the Neutron-Deficient Side	Yang, H. B.; Zhou, S. G.; Ren, Z. Z.; Xu, H. S.	PHYSICAL REVIEW LETTERS	2024	132	7	72502	http://dx.doi.org/10.1103/PhysRevLett.132.072502
73	Distinguishability of binary extreme-mass-ratio inspirals in low frequency band	Jiang, Ye; Han, Wen-Biao; Zhong, Xing-Yu; Shen, Ping; Luo, Zi-Ren; Wu, Yue-Liang	EUROPEAN PHYSICAL JOURNAL C	2024	84	5	478	http://dx.doi.org/10.1140/epjc/s10052-024-12841-3
74	Distinguishing the low-lying vector beauty-charm meson via polarization analysis	Geng, Yiqi; Cao, Mingqi; Zhu, Ruilin	PHYSICAL REVIEW D	2024	109	7	L071301	http://dx.doi.org/10.1103/PhysRevD.109.L071301

75	Distinguishing thermal histories of dark matter from structure formation	Huang, Fei; Li, Yuan-Zhen; Yu, Jiang-Hao	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2024		1	23	http://dx.doi.org/10.1088/1475-7516/2024/01/023
76	Domain wall network: A dual solution for gravitational waves and Hubble tension?	Bian, Ligong; Ge, Shualiang; Li, Changhong; Shu, Jing; Zong, Junchao	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2024	67	11	110413	http://dx.doi.org/10.1007/s11433-024-2436-4
77	Double and Quadruple Flat Bands Tuned by Alternative Magnetic Fluxes in Twisted Bilayer Graphene	Le, Congcong; Zhang, Qiang; Cui, Fan; Wu, Xianxin; Chiu, Ching -Kai	PHYSICAL REVIEW LETTERS	2024	132	24	246401	http://dx.doi.org/10.1103/PhysRevLett.132.246401
78	Double copy for tree-level form factors. Part I. Foundations	Lin, Guanda; Yang, Gang	JOURNAL OF HIGH ENERGY PHYSICS	2024		2	12	http://dx.doi.org/10.1007/JHEP02(2024)012
79	Double copy for tree-level form factors. Part II. Generalizations and special topics	Lin, Guanda; Yang, Gang	JOURNAL OF HIGH ENERGY PHYSICS	2024		2	13	http://dx.doi.org/10.1007/JHEP02(2024)013
80	Double magnon-rotor excitations in the triangular-lattice spin supersolid	Gao, Yuan; Zhang, Chuandi; Xiang, Junsen; Yu, Dehong; Lu, Xingye; Sun, Peijie; Jin, Wentao; Su, Gang; Li, Wei	PHYSICAL REVIEW B	2024	110	21	214408	http://dx.doi.org/10.1103/PhysRevB.110.214408
81	Double pion photoproduction off nucleons in covariant chiral perturbation theory	Kang, Kai-Ge; Cao, Xiong-Hui; Yao, De-Liang; Zheng, Han-Qing	PHYSICAL REVIEW D	2024	110	11	114053	http://dx.doi.org/10.1103/PhysRevD.110.114053
82	Dynamical behavior of a soliton train in holographic superfluids at zero temperature	Gao, Meng; Li, Xin; Tian, Yu; Yang, Peng; Zhang, Hongbao	PHYSICAL REVIEW D	2024	110	12	126025	http://dx.doi.org/10.1103/PhysRevD.110.126025
83	Dynamical chiral symmetry and symmetry-class conversion in Floquet topological insulators	Assili, Mohamed; Kotetes, Panagiotis	PHYSICAL REVIEW B	2024	109	18	184307	http://dx.doi.org/10.1103/PhysRevB.109.184307
84	Dynamical evolution of spinodal decomposition in holographic superfluids	Zhao, Xin; Nie, Zhang-Yu; Zhao, Zi-Qiang; Zeng, Hua-Bi; Tian, Yu; Baggioli, Matteo	JOURNAL OF HIGH ENERGY PHYSICS	2024		2	184	http://dx.doi.org/10.1007/JHEP02(2024)184
85	Dynamical origin of universal two-pole structures and their light quark mass evolution	Xie, Jia-Ming; Lu, Jun-Xu; Geng, Li-Sheng; Zou, Bing-Song	16TH INTERNATIONAL CONFERENCE ON MESON-NUCLEON PHYSICS AND THE STRUCTURE OF THE NUCLEON, MENU 2023	2024	303		1011	http://dx.doi.org/10.1051/epjconf/202430301011
86	Dynamically generated states from the $\eta K^* K^*$, $\pi K^* K^*$, and $K K^* K^*$ systems within the fixed-center approximation	Shen, Qing-Hua; Zhang, Xu; Liu, Xiang; Xie, Ju-Jun	PHYSICAL REVIEW D	2024	109	1	14012	http://dx.doi.org/10.1103/PhysRevD.109.014012
87	Dynamics of spinning binary at 2PM	Chen, Gang; Wang, Tianheng	JOURNAL OF HIGH ENERGY PHYSICS	2024		12	213	http://dx.doi.org/10.1007/JHEP12(2024)213
88	EasyScan_HEP: A tool for connecting programs to scan the parameter space of physics models	Shang, Liangliang; Zhang, Yang	COMPUTER PHYSICS COMMUNICATIONS	2024	296		109027	http://dx.doi.org/10.1016/j.cpc.2023.109027
89	Eccentricity enables the earliest warning and localization of gravitational waves with ground-based detectors	Yang, Tao; Cai, Rong-Gen; Cao, Zhoujian; Lee, Hyung Mok	PHYSICAL REVIEW D	2024	109	10	104041	http://dx.doi.org/10.1103/PhysRevD.109.104041
90	Editorial: Spin-polarized particles in relativistic plasmas for particle accelerators and fusion reactors	Reichwein, Lars; Gong, Zheng; Ji, Liangliang; Lehrach, Andreas; Engels, Ralf; Rakitzis, T. Peter; Buescher, Markus	FRONTIERS IN PHYSICS	2024	12		1534076	http://dx.doi.org/10.3389/fphy.2024.1534076
91	Effect of disorder on Berry curvature and quantum metric in two-band gapped graphene	Liu, Ze; Zhang, Zhi-Fan; Zhu, Zhen-Gang; Su, Gang	PHYSICAL REVIEW B	2024	110	24	245419	http://dx.doi.org/10.1103/PhysRevB.110.245419
92	Effective field theories of axion, ALP and dark photon	Song, Huayang; Sun, Hao; Yu, Jiang-Hao	JOURNAL OF HIGH ENERGY PHYSICS	2024		1	161	http://dx.doi.org/10.1007/JHEP01(2024)161
93	Electric dipole moments as probes of the R D (*) anomaly	Iguro, Syuhei; Kitahara, Teppei	PHYSICAL REVIEW D	2024	110	7	75008	http://dx.doi.org/10.1103/PhysRevD.110.075008
94	Electrostatic-elastic coupling in colloidal crystals	Wu, Hao; Ou-yang, Zhong-can; Podgornik, Rudolf	EPL	2024	148	4	47001	http://dx.doi.org/10.1209/0295-5075/ad8f5d
95	Energy-information trade-off induces continuous and discontinuous phase transitions in lateral predictive coding	Huang, Zhen-Ye; Zhou, Ruyi; Huang, Miao; Zhou, Hai-Jun	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2024	67	6	260511	http://dx.doi.org/10.1007/s11433-024-2341-2
96	Enhanced curvature perturbation and primordial black hole formation in two-stage inflation with a break	Wang, Xinpeng; Zhang, Ying-li; Sasaki, Misao	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2024		7	76	http://dx.doi.org/10.1088/1475-7516/2024/07/076
97	Entanglement of defect subregions in double holography	Liu, Yuxuan; Chen, Qian; Ling, Yi; Peng, Cheng; Tian, Yu; Xian, Zhuo-Yu	JOURNAL OF HIGH ENERGY PHYSICS	2024		7	274	http://dx.doi.org/10.1007/JHEP07(2024)274

98	Entanglement of defect subregions in double holography (vol 07, 274, 2024)	Liu, Yuxuan; Chen, Qian; Ling, Yi; Peng, Cheng; Tian, Yu; Xian, Zhuo-Yu	JOURNAL OF HIGH ENERGY PHYSICS	2024		9	194	http://dx.doi.org/10.1007/JHEP09(2024)194
99	Entanglement suppression and low-energy scattering of heavy mesons	Hu, Tao -Ran; Chen, Su; Guo, Feng-Kun	PHYSICAL REVIEW D	2024	110	1	14001	http://dx.doi.org/10.1103/PhysRevD.110.014001
100	EPRIM: An approach of identifying cancer immune-related epigenetic regulators	Shi, Aiai; Lin, Chaohuan; Wang, Jilu; Chen, Ying'ao; Zhong, Jinjin; Lyu, Jie	MOLECULAR THERAPY NUCLEIC ACIDS	2024	35	1	102100	http://dx.doi.org/10.1016/j.omtn.2023.102100
101	Escape probability for isotropic emitters near Kerr black hole with astrometric	Han, Yu-Xuan; Zhu, Qing-Hua; Huang, Qing-Guo	COMMUNICATIONS IN THEORETICAL PHYSICS	2024	76	5	55404	http://dx.doi.org/10.1088/1572-9494/ad3745
102	Estimating the uncertainty of cosmological first order phase transitions with numerical simulations of bubble nucleation	Guo, Huai-Ke; Li, Song; Xiao, Yang; Yang, Jin Min; Zhang, Yang	PHYSICAL REVIEW D	2024	110	6	63541	http://dx.doi.org/10.1103/PhysRevD.110.063541
103	Event generators for high-energy physics experiments	Campbell, J. M.; Diefenthaler, M.; Hobbs, T. J.; Hoche, S; ect.	SCIPOST PHYSICS	2024	16	5	130	http://dx.doi.org/10.21468/SciPostPhys.16.5.130
104	Evidence for distortion-induced local electric polarization in α -RuCl ₃	Mi, Xinrun; Hou, De; Wang, Xiao; Hammouda, Sabreen; Liu, Caixing; Xiong, Zijian; Li, Han; Liu, Yan; Wang, Guiwen; Wang, Aifeng; Chai, Yisheng; Qi, Yang; Li, Wei; Zhou, Xiaoyuan; Su, Yixi; Khomskii, D. I.; He, Mingquan; Sheng, Zhigao; Sun, Young	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2024	67	9	297511	http://dx.doi.org/10.1007/s11433-024-2417-8
105	Evidence for time-reversal symmetry-breaking kagome superconductivity	Deng, Hanbin; ...Wu, Xianxin; etc.	NATURE MATERIALS	2024	23	12		http://dx.doi.org/10.1038/s41563-024-01995-w
106	Evolution of $N=20, 28, 50$ shell closures in the $20 \leq Z \leq 30$ region in deformed relativistic Hartree-Bogoliubov theory in continuum	Zheng, Ru-You; Sun, Xiang-Xiang; Shen, Guo-fang; Geng, Li-Sheng	CHINESE PHYSICS C	2024	48	1	14107	http://dx.doi.org/10.1088/1674-1137/ad0bf2
107	Experimental cross section study of $^{40}\text{Ca}+^{175}\text{Lu}$: Searching for new neutron-deficient Pa isotopes	Zhang, M. M.; ... Zhou, S. G.	PHYSICAL REVIEW C	2024	109	1	14608	http://dx.doi.org/10.1103/PhysRevC.109.014608
108	Experimental observation of Fermi-level flat band in novel kagome metal CeNi ₅	Chen, Xue-Zhi; Wang, Le; Zhang, Shuai; Zhang, Ren-Jie; Cheng, Yi-Wei; Hu, Yu-Dong; Meng, Cheng-Nuo; Liu, Zheng-Tai; Lv, Bai-Qing; Huang, Yao-Bo	CHINESE PHYSICS B	2024	33	8	87402	http://dx.doi.org/10.1088/1674-1056/ad4019
109	Experimental simulation of quantum superchannels	Li, Hang; Wang, Kai; Wei, Shijie; Yang, Fan; Chen, Xinyu; Sanders, Barry C.; Wang, Dong-Sheng; Long, Gui-Lu	NEW JOURNAL OF PHYSICS	2024	26	1	13037	http://dx.doi.org/10.1088/1367-2630/ad1c91
110	Explaining pulsar timing array observations with primordial gravitational waves in parity-violating gravity	Fu, Chengjie; Liu, Jing; Yang, Xing-Yu; Yu, Wang -Wei; Zhang, Yawen	PHYSICAL REVIEW D	2024	109	6	63526	http://dx.doi.org/10.1103/PhysRevD.109.063526
111	Explanations of the tentative new physics anomalies and dark matter in the Simple Extension of the Standard Model (SESM)	Li, Tianjun; Pei, Junle; Yin, Xiangwei; Zhu, Bin	NUCLEAR PHYSICS B	2024	998		116430	http://dx.doi.org/10.1016/j.nuclphysb.2023.116430
112	Exploration of the LHCb P_c states and possible resonances in aunitary coupled-channel model	Shen, Chao-Wei; Roenchen, Deborah; Meissner, Ulf-G.; Zou, Bing-Song; Wang, Yu-Fei	EUROPEAN PHYSICAL JOURNAL C	2024	84	7	764	http://dx.doi.org/10.1140/epjc/s10052-024-13139-0
113	Exploring fission and quasi-fission in $^{31}\text{Al}+^{197}\text{Au}$: probing energies near and beyond Coulomb barrier	Jain, Shivani; Jindal, Chahat; Sharma, Manoj K.	PHYSICA SCRIPTA	2024	99	6	65311	http://dx.doi.org/10.1088/1402-4896/ad49e0
114	Exploring flavor space of an economical SU(5) GUT in future proton decay measurements	Fang, Gao-Xiang; Zhou, Ye-Ling	PHYSICAL REVIEW D	2024	110	9	95024	http://dx.doi.org/10.1103/PhysRevD.110.095024
115	Exploring hidden-charm and hidden-strange hexaquark states from lattice QCD	Liu, Hang; He, Jinchen; Liu, Liuming; Sun, Peng; Wang, Wei; Yang, Yi-Bo; Zhang, Qi-An	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2024	67	1	211011	http://dx.doi.org/10.1007/s11433-023-2205-0
116	Extended Black Hole Thermodynamics from Extended Iyer-Wald Formalism	Xiao, Yong; Tian, Yu; Liu, Yu-Xiao	PHYSICAL REVIEW LETTERS	2024	132	2	21401	http://dx.doi.org/10.1103/PhysRevLett.132.021401
117	Fermion masses and mixings in the supersymmetric Pati-Salam landscape from Intersecting D6-Branes	Sabir, Mudassar; Mansha, Adeel; Li, Tianjun; Wang, Zhi-Wei	JOURNAL OF HIGH ENERGY PHYSICS	2024		10	252	http://dx.doi.org/10.1007/JHEP10(2024)252
118	Field theory of active Brownian particles with dry friction	Zhang, Ziluo; Yuan, Shurui; Komura, Shigeyuki	NEW JOURNAL OF PHYSICS	2024	26	9	93036	http://dx.doi.org/10.1088/1367-2630/ad748e
119	First lattice QCD calculation of $J=\psi$ semileptonic decay containing D and D S particles	Meng, Yu; Dang, Jin-Long; Liu, Chuan; Tuo, Xin-Yu; Yan, Haobo; Yang, Yi-Bo; Zhang, Ke-Long	PHYSICAL REVIEW D	2024	110	7	74510	http://dx.doi.org/10.1103/PhysRevD.110.074510

120	First Scan Search for Dark Photon Dark Matter with a Tunable Superconducting Radio-Frequency Cavity	Tang, Zhenxing; Wang, Bo; Chen, Yifan; Zeng, Yanjie; Li, Chunlong; Yang, Yuting; Feng, Liwen; Sha, Peng; Mi, Zhenghui; Pan, Weimin; Zhang, Tianzong; Jin, Yirong; Hao, Jiankui; Lin, Lin; Wang, Fang; Xie, Huamu; Huang, Senlin; Shu, Jing	PHYSICAL REVIEW LETTERS	2024	133	2	21005	http://dx.doi.org/10.1103/PhysRevLett.133.021005
121	Fission fragment distributions within time-dependent density functional theory	Huang, Yun; Sun, Xiang-Xiang; Guo, Lu	EUROPEAN PHYSICAL JOURNAL A	2024	60	5	100	http://dx.doi.org/10.1140/epja/s10050-024-01326-2
122	Form factor for Dalitz decays from J/ψ to light pseudoscalars	Shi, Chunjiang; Chen, Ying; Jiang, Xiangyu; Gong, Ming; Liu, Zhaofeng; Sun, Wei	CHINESE PHYSICS C	2024	48	11	113105	http://dx.doi.org/10.1088/1674-1137/ad641b
123	Fracton Self-Statistics	Song, Hao; Tantivasadakarn, Nathanan; Shirley, Wilbur; Hermele, Michael	PHYSICAL REVIEW LETTERS	2024	132	1	16604	http://dx.doi.org/10.1103/PhysRevLett.132.016604
124	Freeze-in bino dark matter in high-scale supersymmetry	Han, Chengcheng; Wu, Peiwen; Yang, Jin Min; Zhang, Mengchao	PHYSICAL REVIEW D	2024	109	3	35008	http://dx.doi.org/10.1103/PhysRevD.109.035008
125	From 'glass basins' to 'glass barriers'	Jin, Yuliang	NATIONAL SCIENCE REVIEW	2024	11	6		http://dx.doi.org/10.1093/nsr/nwae157
126	From pole parameters to line shapes and branching ratios	Heuser, L. A.; Chanturia, G.; Guo, F. -K.; Hanhart, C.; Hoferichter, M.; Kubis, B.	EUROPEAN PHYSICAL JOURNAL C	2024	84	6	599	http://dx.doi.org/10.1140/epjc/s10052-024-12884-6
127	Fundamental tests of P and CP symmetries using octet baryons at the J/ψ threshold	Du, Yong; He, Xiao-Gang; Ma, Jian-Ping; Du, Xin-Yu	PHYSICAL REVIEW D	2024	110	7	76019	http://dx.doi.org/10.1103/PhysRevD.110.076019
128	General backreaction force of cosmological bubble expansion	Wang, Jun-Chen; Yuwen, Zi-Yan; Hao, Yu-Shi; Wang, Shao-Jiang	PHYSICAL REVIEW D	2024	110	1	16031	http://dx.doi.org/10.1103/PhysRevD.110.016031
129	General bubble expansion at strong coupling	Wang, Jun -Chen; Yuwen, Zi-Yan; Hao, Yu-Shi; Wang, Shao-Jiang	PHYSICAL REVIEW D	2024	109	9	96012	http://dx.doi.org/10.1103/PhysRevD.109.096012
130	Geometry-enhanced pretraining on interatomic potentials	Cui, Taoyong; Tang, Chenyu; Su, Mao; Zhang, Shufei; Li, Yuqiang; Bai, Lei; Dong, Yuhao; Gong, Xingao; Ouyang, Wanli	NATURE MACHINE INTELLIGENCE	2024	6	4	428-436	http://dx.doi.org/10.1038/s42256-024-00818-6
131	Giant Low-Field Cryogenic Magnetocaloric Effect in a Polycrystalline EuB4O7 Compound	Wang, Yuanpeng; Xiang, Junsen; Zhang, Lei; Gong, Jianjian; Li, Wei; Mo, Zhaojun; Shen, Jun	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	2024	146	5	3315-3322	http://dx.doi.org/10.1021/jacs.3c12158
132	Giant magnetocaloric effect in spin supersolid candidate Na2BaCo(PO4)2	Xiang, Junsen; Zhang, Chuandi; Gao, Yuan; Schmidt, Wolfgang; Schmalzl, Karin; Wang, Chin-Wei; Li, Bo; Xi, Ning; Liu, Xin-Yang; Jin, Hai; Li, Gang; Shen, Jun; Chen, Ziyu; Qi, Yang; Wan, Yuan; Jin, Wentao; Li, Wei; Sun, Peijie; Su, Gang	NATURE	2024	625	7994	270-275	http://dx.doi.org/10.1038/s41586-023-06885-w
133	Global fit to $b \rightarrow c \tau \nu$ anomalies as of Spring 2024	Iguro, Syuhei; Kitahara, Teppei; Watanabe, Ryoutaro	PHYSICAL REVIEW D	2024	110	7	75005	http://dx.doi.org/10.1103/PhysRevD.110.075005
134	Gluon-gluon fusion contribution to the productions of three gauge bosons at the LHC	Dai, Jianpeng; Hu, Zhenghong; Liu, Tao; Yang, Jin Min	EUROPEAN PHYSICAL JOURNAL C	2024	84	5	474	http://dx.doi.org/10.1140/epjc/s10052-024-12819-1
135	Gluonic contributions to semi-inclusive DIS in the target fragmentation region	Chen, Kai-Bao; Ma, Jian-Ping; Tong, Xuan-Bo	JOURNAL OF HIGH ENERGY PHYSICS	2024		5	298	http://dx.doi.org/10.1007/JHEP05(2024)298
136	Gluonic evanescent operators: negative-norm states and complex anomalous dimensions	Jin, Qingjun; Ren, Ke; Yang, Gang; Yu, Rui	JOURNAL OF HIGH ENERGY PHYSICS	2024		9	151	http://dx.doi.org/10.1007/JHEP09(2024)151
137	Gravitational wave in symmetric teleparallel gravity with different connections	Rao, Haomin; Liu, Chunhui; Geng, Chao-Qiang	PHYSICS LETTERS B	2024	850		138497	http://dx.doi.org/10.1016/j.physletb.2024.138497
138	Gravitational wave signal extraction against non-stationary instrumental noises with deep neural network	Xu, Yuxiang; Du, Minghui; Xu, Peng; Liang, Bo; Wang, He	PHYSICS LETTERS B	2024	858		139016	http://dx.doi.org/10.1016/j.physletb.2024.139016
139	Gravitational wave sources for pulsar timing arrays	Bian, Ligong; Ge, Shuaijiang; Shu, Jing; Wang, Bo; Yang, Xing-Yu; Zong, Junchao	PHYSICAL REVIEW D	2024	109	10	101301	http://dx.doi.org/10.1103/PhysRevD.109.L101301
140	Gravitational waves and primordial black hole productions from gluodynamics by holography	He, Song; Li, Li; Li, Zhibin; Wang, Shao-Jiang	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2024	67	4	240411	http://dx.doi.org/10.1007/s11433-023-2293-2
141	GW230529_181500: a potential primordial binary black hole merger in the mass gap	Huang, Qing-Guo; Yuan, Chen; Chen, Zu-Cheng; Liu, Lang	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2024		8	30	http://dx.doi.org/10.1088/1475-7516/2024/08/030
142	Hard-scattering approach to strongly hindered electric dipole transitions between heavy quarkonia	Jia, Cai-Ping; Jia, Yu; Lu, Junliang; Mo, Zhewen; Zhang, Jia-Yue	PHYSICAL REVIEW D	2024	110	9	94013	http://dx.doi.org/10.1103/PhysRevD.110.094013
143	Hidden charmonium decays of spin-2 partner of $X(3872)$	Zheng, Yuanxin; Cai, Zuxin; Li, Gang; Liu, Shidong; Wu, Jiajun; Wu, Qi	PHYSICAL REVIEW D	2024	109	1	14027	http://dx.doi.org/10.1103/PhysRevD.109.014027
144	Hidden zeros for particle/string amplitudes and the unity of colored scalars, pions and gluons	Arkani-Hamed, Nima; Cao, Qu; Dong, Jin; Figueiredo, Carolina; He, Song	JOURNAL OF HIGH ENERGY PHYSICS	2024		10	231	http://dx.doi.org/10.1007/JHEP10(2024)231
145	Hidden-bottom hadronic transitions of $\psi(10753)$	Liu, Shi-Dong; Cai, Zu-Xin; Jia, Zhao-Sai; Li, Gang; Xie, Ju -Jun	PHYSICAL REVIEW D	2024	109	1	14039	http://dx.doi.org/10.1103/PhysRevD.109.014039

146	Higher-point gauge-theory couplings of massive spin-2 states in four-dimensional string theories	Huang, Chen	PHYSICAL REVIEW D	2024	110	2	26006	http://dx.doi.org/10.1103/PhysRevD.110.026006
147	High-redshift JWST massive galaxies and the initial clustering of supermassive primordial black holes	Huang, Hai-Long; Jiang, Jun-Qian; Piao, Yun-Song	PHYSICAL REVIEW D	2024	110	10	103540	http://dx.doi.org/10.1103/PhysRevD.110.103540
148	Hinge Majorana flat band in type-II Dirac semimetals	Xie, Yue; Wu, Xianxin; Fang, Zhong; Wang, Zhijun	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2024	67	12	127011	http://dx.doi.org/10.1007/s11433-024-2483-8
149	Hints of the $J_{\psi(1270)} \rightarrow \psi(1270) \gamma$ decay	Dong, Xiang-Kun; Ji, Teng; Guo, Feng-Kun; Meissner, Ulf-G.; Zou, Bing-Song	PHYSICS LETTERS B	2024	853			http://dx.doi.org/10.1016/j.physletb.2024.138646
150	HL-LHC sensitivity to higgsinos from natural SUSY with gravitino LSP	Dai, Jianpeng; Li, Song; Yang, Jin Min; Zhang, Yang; Zhu, Pengxuan; Zhu, Rui	EUROPEAN PHYSICAL JOURNAL C	2024	84	8	781	http://dx.doi.org/10.1140/epjc/s10052-024-13160-3
151	Holographic study on QCD phase transition and phase diagram with two flavors	Liu, Xin-Yi; Peng, Xiao-Chang; Wu, Yue-Liang; Fang, Zhen	PHYSICAL REVIEW D	2024	109	5	54032	http://dx.doi.org/10.1103/PhysRevD.109.054032
152	How does the $X(3872)$ show up in e^+e^- collisions: Dip versus peak	Baru, Vadim; Guo, Feng-Kun; Hanhart, Christoph; Nefediev, Alexey	PHYSICAL REVIEW D	2024	109	11	L111501	http://dx.doi.org/10.1103/PhysRevD.109.L111501
153	Hunting for X_b via hidden bottomonium decays $X_b \rightarrow \pi\pi\chi_{bJ}$	Jia, Zhao-Sai; Zhang, Zhen-Hua; Qin, Wen-Hua; Li, Gang	PHYSICAL REVIEW D	2024	109	3	34017	http://dx.doi.org/10.1103/PhysRevD.109.034017
154	Impact of gauge fixing precision on the continuum limit of nonlocal quark-bilinear lattice operators	Zhang, Kuan; Huo, Yi-Kai; Ji, Xiangdong; Schaefer, Andreas; Shi, Chun-Jiang; Sun, Peng; Wang, Wei; Yang, Yi-Bo; Zhang, Jian-Hui	PHYSICAL REVIEW D	2024	110	7	74505	http://dx.doi.org/10.1103/PhysRevD.110.074505
155	Impact of the Hubble tension on the $r - n_s$ contour	Jiang, Jun-Qian; Ye, Gen; Piao, Yun-Song	PHYSICS LETTERS B	2024	851		138588	http://dx.doi.org/10.1016/j.physletb.2024.138588
156	Impacts of gravitational-wave background from supermassive black hole binaries on the detection of compact binaries by LISA	Huang, Fan; Bi, Yan-Chen; Cao, Zhoujian; Huang, Qing-Guo	CHINESE PHYSICS C	2024	48	6	65103	http://dx.doi.org/10.1088/1674-1137/ad34c2
157	Implication of compact configuration of hexadecapole deformed actinides in the synthesis of superheavy nuclei	Jain, Shivani; Sharma, Harshit; Kumar, Raj; Sharma, Manoj K.	INTERNATIONAL CONFERENCE ON HEAVY-ION COLLISIONS AT NEAR-BARRIER ENERGIES, FUSION 2023	2024	306		1035	http://dx.doi.org/10.1051/epjconf/202430601035
158	Implications for the non-Gaussianity of curvature perturbation from pulsar timing arrays	Liu, Lang; Chen, Zu-Cheng; Huang, Qing-Guo	PHYSICAL REVIEW D	2024	109	6	L061301	http://dx.doi.org/10.1103/PhysRevD.109.L061301
159	Implications of GWTC-3 on primordial black holes from vacuum bubbles	He, Jibin; Deng, Heling; Piao, Yun-Song; Zhang, Jun	PHYSICAL REVIEW D	2024	109	4	44035	http://dx.doi.org/10.1103/PhysRevD.109.044035
160	Induced gravitational wave interpretation of PTA data: a complete study for general equation of state	Domenech, Guillem; Pi, Shi; Wang, Ao; Wang, Jianing	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2024		8	54	http://dx.doi.org/10.1088/1475-7516/2024/08/054
161	Influence of dark matter equation of state on the axial gravitational ringing of supermassive black holes	Zhao, Yuqian; Sun, Bing; Cao, Zhoujian; Lin, Kai; Qian, Wei-Liang	PHYSICAL REVIEW D	2024	109	4	44031	http://dx.doi.org/10.1103/PhysRevD.109.044031
162	Insights into Neutron Star Equation of State by Machine Learning	Guo, Ling-Jun; Xiong, Jia-Ying; Ma, Yao; Ma, Yong-Liang	ASTROPHYSICAL JOURNAL	2024	965	1	47	http://dx.doi.org/10.3847/1538-4357/ad2e8d
163	Interaction-driven first-order and higher-order topological superconductivity	Bonetti, Pietro M.; Chakraborty, Debmalya; Wu, Xianxin; Schnyder, Andreas P.	PHYSICAL REVIEW B	2024	109	18	L180509	http://dx.doi.org/10.1103/PhysRevB.109.L180509
164	Interface dynamics of strongly interacting binary superfluids	An, Yu-Ping; Li, Li; Xia, Chuan-Yin; Zeng, Hua-Bi	PHYSICAL REVIEW D	2024	109	10	106022	http://dx.doi.org/10.1103/PhysRevD.109.106022
165	Interface-induced superconductivity in magnetic topological insulators	Yi, Hemian; ...Wu, Xianxin; etc.	SCIENCE	2024	383	6683	634-639	http://dx.doi.org/10.1126/science.adk1270
166	Intermediate phase between jammed and unjammed amorphous solids	Jin, Yuliang; Procaccia, Itamar; Samanta, Tuhin	PHYSICAL REVIEW E	2024	109	1	14902	http://dx.doi.org/10.1103/PhysRevE.109.014902
167	Intrinsic second-order spin current	Zhang, Zhi-Fan; Zhu, Zhen-Gang; Su, Gang	PHYSICAL REVIEW B	2024	110	17	174434	http://dx.doi.org/10.1103/PhysRevB.110.174434
168	Investigating generalized minimal supergravity in the MSSM through the long-lived bino NLSP at the HL-LHC	Zhang, Wenxing; Ahmed, Waqas; Khan, Imtiaz; Li, Tianjun; Raza, Shabbar	PHYSICAL REVIEW D	2024	110	5	55006	http://dx.doi.org/10.1103/PhysRevD.110.055006
169	Is Yang-Mills theory unitary in fractional spacetime dimensions?	Jin, Qingjun; Ren, Ke; Yang, Gang; Yu, Rui	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2024	67	7	271011	http://dx.doi.org/10.1007/s11433-024-2370-6

170	Jamming is a first-order transition with quenched disorder in amorphous materials sheared by cyclic quasistatic deformations	Deng, Yue; Pan, Deng; Jin, Yuliang	NATURE COMMUNICATIONS	2024	15	1	7072	http://dx.doi.org/10.1038/s41467-024-51319-4
171	K-core attack, equilibrium K-core, and kinetically constrained spin system	Zhou, Hai-Jun	CHINESE PHYSICS B	2024	33	6	66402	http://dx.doi.org/10.1088/1674-1056/ad4329
172	Kinetic energy and speed powers of a heavy quark inside S wave and P wave heavy-light mesons	Li, Wei; Wang, Tianhong; Feng, Tai-Fu; Wang, Guo-Li; Chang, Chao-Hsi	PHYSICAL REVIEW D	2024	110	7	76002	http://dx.doi.org/10.1103/PhysRevD.110.076002
173	Laser Wakefield Acceleration of Ions with a Transverse Flying Focus	Gong, Zheng; Cao, Sida; Palastro, John P.; Edwards, Matthew R.	PHYSICAL REVIEW LETTERS	2024	133	26	265002	http://dx.doi.org/10.1103/PhysRevLett.133.265002
174	Learning nonequilibrium statistical mechanics and dynamical phase transitions	Tang, Ying; Liu, Jing; Zhang, Jiang; Zhang, Pan	NATURE COMMUNICATIONS	2024	15	1	1117	http://dx.doi.org/10.1038/s41467-024-45172-8
175	Leptonic di-flavor and di-number violation processes at high energy $\mu\mu$ colliders	Yang, Jin-Lei; Chang, Chao-Hsi; Feng, Tai-Fu	CHINESE PHYSICS C	2024	48	4	43101	http://dx.doi.org/10.1088/1674-1137/ad17b0
176	Light QCD axion dark matter from double level crossings	Li, Hai-Jun; Peng, Ying-Quan; Chao, Wei; Zhou, Yu-Feng	PHYSICS LETTERS B	2024	849		138444	http://dx.doi.org/10.1016/j.physletb.2024.138444
177	Light-cone and quasigeneralized parton distributions in the 't Hooft model	Jia, Yu; Mo, Zhewen; Xiong, Xiaonu; Yu, Rui	PHYSICAL REVIEW D	2024	109	1	14042	http://dx.doi.org/10.1103/PhysRevD.109.014042
178	Linear dynamics and classical tests of the gravitational quantum field theory	Gao, Yuan-Kun; Huang, Da; Ma, Yong-Liang; Tang, Yong; Wu, Yue-Liang; Zhou, Yu-Feng	PHYSICAL REVIEW D	2024	109	6	64072	http://dx.doi.org/10.1103/PhysRevD.109.064072
179	Link-area commutators in AdS3 area-networks	Held, Jesse; Kaplan, Molly; Marolf, Donald; Wu, Jie-qiang	JOURNAL OF HIGH ENERGY PHYSICS	2024		7	268	http://dx.doi.org/10.1007/JHEP07(2024)268
180	Long-lived neutral fermions at the DUNE near detector	Guenther, Julian Y.; de Vries, Jordy; Dreiner, Herbi K.; Wang, Zeren Simon; Zhou, Guanghui	JOURNAL OF HIGH ENERGY PHYSICS	2024		1	108	http://dx.doi.org/10.1007/JHEP01(2024)108
181	Low-energy elastic (anti)neutrino-nucleon scattering in covariant baryon chiral perturbation theory	Chen, Jin-Man; Liang, Ze-Rui; Yao, De-Liang	FRONTIERS OF PHYSICS	2024	19	6	64202	http://dx.doi.org/10.1007/s11467-024-1417-4
182	Magnetic coupled electronic landscape in bilayer-distorted titanium-based kagome metals	Hu, Yong; Le, Congcong; Chen, Long; Deng, Hanbin; Zhou, Ying; Plumb, Nicholas C.; Radovic, Milan; Thomale, Ronny; Schnyder, Andreas P.; Yin, Jia-Xin; Wang, Gang; Wu, Xianxin; Shi, Ming	PHYSICAL REVIEW B	2024	110	12	L121114	http://dx.doi.org/10.1103/PhysRevB.110.L121114
183	Magnetocaloric effect of topological excitations in Kitaev magnets	Li, Han; Lv, Enze; Xi, Ning; Gao, Yuan; Qi, Yang; Li, Wei; Su, Gang	NATURE COMMUNICATIONS	2024	15	1	7011	http://dx.doi.org/10.1038/s41467-024-51146-7
184	Majorana CP violating phases	Huang, Chao-Shang	NUCLEAR PHYSICS B	2025	1010		116763	http://dx.doi.org/10.1016/j.nuclphysb.2024.116763
185	Maximising CP Violation in naturally aligned Two-Higgs Doublet Models	Darvishi, Neda; Pilaftsis, Apostolos; Yu, Jiang-Hao	JOURNAL OF HIGH ENERGY PHYSICS	2024		5	233	http://dx.doi.org/10.1007/JHEP05(2024)233
186	Mechanical stability of homogeneous holographic solids under finite shear strain	Baggioli, Matteo; Li, Li; Li, Wei-Jia; Sun, Hao-Tian	JOURNAL OF HIGH ENERGY PHYSICS	2024		5	198	http://dx.doi.org/10.1007/JHEP05(2024)198
187	Mechanism for cluster formation in a strongly interacting superfluid from gauge/gravity duality	Yang, Wei-Can; Xia, Chuan-Yin; Tian, Yu; Tsubota, Makoto; Zeng, Hua-Bi	PHYSICAL REVIEW B	2024	110	13	134510	http://dx.doi.org/10.1103/PhysRevB.110.134510
188	Merger rate of supermassive primordial black hole binaries	Huang, Hai-Long; Jiang, Jun-Qian; Piao, Yun-Song	PHYSICAL REVIEW D	2024	109	6	63515	http://dx.doi.org/10.1103/PhysRevD.109.063515
189	Mesoscopic fluctuations in entanglement dynamics	Lim, Lih-King; Lou, Cunzhong; Tian, Chushun	NATURE COMMUNICATIONS	2024	15	1	1775	http://dx.doi.org/10.1038/s41467-024-46078-1
190	Method for measuring the charge radii of charged hyperons from the time-like region	Lin, Yong-Hui; Guo, Feng-Kun; Meissner, Ulf-G.	PHYSICS LETTERS B	2024	856		138887	http://dx.doi.org/10.1016/j.physletb.2024.138887
191	Microscopic model realization of d-wave pseudospin current order in Sr2IrO4	Dong, Jin-Wei; Huang, Yun-Peng; Wang, Ziqiang; Zhou, Sen	PHYSICAL REVIEW B	2024	109	4	45121	http://dx.doi.org/10.1103/PhysRevB.109.045121
192	Minimum connected dominating set and backbone of a random graph	Habibulla, Yusupjan; Zhou, Hai-Jun	JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT	2024	2024	6	63402	http://dx.doi.org/10.1088/1742-5468/ad4026
193	Molecular charmed baryons and pentaquarks from light-meson exchange saturation	Yan, Mao-Jun; Peng, Fang-Zheng; Valderrama, Manuel Pavon	PHYSICAL REVIEW D	2024	109	1	14023	http://dx.doi.org/10.1103/PhysRevD.109.014023
194	Molecular dynamics simulations of microscopic structural transition and macroscopic mechanical properties of magnetic gels	Wei, Xuefeng; Junot, Gaspard; Golestanian, Ramin; Zhou, Xin; Wang, Yanting; Tierno, Pietro; Meng, Fanlong	JOURNAL OF CHEMICAL PHYSICS	2024	161	7	74902	http://dx.doi.org/10.1063/5.0210769
195	Multiflagellate Swimming Controlled by Hydrodynamic Interactions	Hu, Shiyuan; Meng, Fanlong	PHYSICAL REVIEW LETTERS	2024	132	20	204002	http://dx.doi.org/10.1103/PhysRevLett.132.204002

196	Multiple peaks in gravitational waves induced from primordial curvature perturbations with non-Gaussianity	Zeng, Xiang-Xi; Cai, Rong-Gen; Wang, Shao-Jiang	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2024		10	45	http://dx.doi.org/10.1088/1475-7516/2024/10/045
197	Multiple-quantum-coherence dynamics of spin-1 Bose-Einstein condensate during quantum phase transitions	Deng, Fulin; Xu, Peng; Yi, Su; Zhang, Wenxian	COMMUNICATIONS IN THEORETICAL PHYSICS	2024	76	1	15501	http://dx.doi.org/10.1088/1572-9494/ad0fd9
198	Nature of charge density waves and metal-insulator transition in pressurized La3Ni2O7	Yi, Xin-Wei; Meng, Ying; Li, Jia-Wen; Liao, Zheng-Wei; Li, Wei; You, Jing-Yang; Gu, Bo; Su, Gang	PHYSICAL REVIEW B	2024	110	14	L140508	http://dx.doi.org/10.1103/PhysRevB.110.L140508
199	Near-field hydrodynamic interactions determine travelling wave directions of collectively beating cilia	Cheng, Ziqi; Vilfan, Andrej; Wang, Yanting; Golestanian, Ramin; Meng, Fanlong	JOURNAL OF THE ROYAL SOCIETY INTERFACE	2024	21	217	2E+07	http://dx.doi.org/10.1098/rsif.2024.0221
200	New anisotropic Gauss-Bonnet black holes in five dimensions at the critical point	Peng, Yuxuan	EUROPEAN PHYSICAL JOURNAL C	2024	84	1	81	http://dx.doi.org/10.1140/epjc/s10052-024-12450-0
201	New signature of low mass Z' in J/ψ decays	Geng, Chao-Qiang; Liu, Chia-Wei; Zhang, Jiabao	CHINESE PHYSICS C	2024	48	8	81001	http://dx.doi.org/10.1088/1674-1137/ad53b6
202	New vacuum stability limit from cosmological history	Balazs, Csaba; Xiao, Yang; Yang, Jin Min; Zhang, Yang	NUCLEAR PHYSICS B	2024	1002		116533	http://dx.doi.org/10.1016/j.nuclphysb.2024.116533
203	Nodal s± pairing symmetry in an iron-based superconductor with only hole pockets	Wu, Dingsong;...Wu, Xianxin; Xu, Zuyan; Zhao, Lin; Zhou, X. J.	NATURE PHYSICS	2024	20	4		http://dx.doi.org/10.1038/s41567-023-02348-1
204	Non-commutative probability insights into the double-scaling limit SYK model with constant perturbations: moments, cumulants and q-independence	Wu, Shuang	JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL	2024	57	32	325203	http://dx.doi.org/10.1088/1751-8121/ad65a6
205	Nonleptonic three-body charmed baryon weak decays with H(15)	Geng, Chao-Qiang; Liu, Chia -Wei; Liu, Sheng-Lin	PHYSICAL REVIEW D	2024	109	9	93002	http://dx.doi.org/10.1103/PhysRevD.109.093002
206	Nonlinear self-interaction induced black hole bomb	Zhang, Cheng-Yong; Chen, Qian; Liu, Yuxuan; Tian, Yu; Wang, Bin; Zhang, Hongbao	PHYSICAL REVIEW D	2024	110	4	L041505	http://dx.doi.org/10.1103/PhysRevD.110.L041505
207	Nonlinear Sigma model amplitudes to all loop orders are contained in the Tr (Φ3) theory	Arkani-Hamed, Nima; Cao, Qu; Dong, Jin; Figueiredo, Carolina; He, Song	PHYSICAL REVIEW D	2024	110	6	65018	http://dx.doi.org/10.1103/PhysRevD.110.065018
208	Non-Markovian dynamics control of an open quantum system in a Schwarzschild space-time	Wei, Zhen-Dong; Han, Wei; Zhang, Ying-Jie; Man, Zhong-Xiao; Xia, Yun-Jie; Fan, Heng	ANNALS OF PHYSICS	2024	470		169825	http://dx.doi.org/10.1016/j.aop.2024.169825
209	Non-standard neutrino interactions mediated by a light scalar at DUNE	Dutta, Bhaskar; Ghosh, Sumit; Kelly, Kevin J.; Li, Tianjun; Thompson, Adrian; Verma, Ankur	JOURNAL OF HIGH ENERGY PHYSICS	2024		7	213	http://dx.doi.org/10.1007/JHEP07(2024)213
210	Nuclear mass table in deformed relativistic Hartree-Bogoliubov theory in continuum, II: Even-Z nuclei	Guo, Peng; ...Zhou, Shan-Gui; Zou, Lianjian	ATOMIC DATA AND NUCLEAR DATA TABLES	2024	158		101661	http://dx.doi.org/10.1016/j.adt.2024.101661
211	Nucleon Electric Polarizabilities and Nucleon-Pion Scattering at the Physical Pion Mass	Wang, Xuan-He; Zhang, Zhao-Long; Cao, Xiong-Hui; Fan, Cong-Ling; Feng, Xu; Gao, Yu-Sheng; Jin, Lu-Chang; Liu, Chuan	PHYSICAL REVIEW LETTERS	2024	133	14	141901	http://dx.doi.org/10.1103/PhysRevLett.133.141901
212	Observation of phonon Stark effect	Huang, Zhiheng;... Zhang, Tiantian; etc.	NATURE COMMUNICATIONS	2024	15	1	4586	http://dx.doi.org/10.1038/s41467-024-48992-w
213	Observations on spontaneous chiral symmetry breaking and the mass gap of QCD in finite volume	Meng, Xiaolan; Hu, Bolun; Yang, Yi-Bo	COMMUNICATIONS IN THEORETICAL PHYSICS	2024	76	9	95203	http://dx.doi.org/10.1088/1572-9494/ad426f
214	On primordial universe in anti-de Sitter landscape	Lin, Pu-Xin; Huang, Hai-Long; Zhang, Jun; Piao, Yun-Song	PHYSICS LETTERS B	2024	855		138768	http://dx.doi.org/10.1016/j.physletb.2024.138768
215	On symbology and differential equations of Feynman integrals from Schubert analysis(vol 140, https://doi.org/10.1007/JHEP12(2023)140 , 2023)	He, Song; Jiang, Xuhang; Liu, Jiahao; Yang, Qinglin	JOURNAL OF HIGH ENERGY PHYSICS	2024		4	63	http://dx.doi.org/10.1007/JHEP04(2024)063
216	On universal splittings of tree-level particle and string scattering amplitudes	Cao, Qu; Dong, Jin; He, Song; Shi, Canxin; Zhu, Fanky	JOURNAL OF HIGH ENERGY PHYSICS	2024		9	49	http://dx.doi.org/10.1007/JHEP09(2024)049
217	One-loop Bern-Carrasco-Johansson numerators on quadratic propagators from the worldsheet	Dong, Jin; Zhang, Yao-Qi; Zhang, Yong	PHYSICAL REVIEW D	2024	109	10	L101905	http://dx.doi.org/10.1103/PhysRevD.109.L101905
218	Opening windows with isospin-violating dark matter	Kumar, Jason; Marfatia, Danny; Song, Ningqiang	PHYSICS LETTERS B	2024	851		138576	http://dx.doi.org/10.1016/j.physletb.2024.138576
219	Optimized generation of entanglement based on the f-STIRAP technique	Chen, Dongni; Li, Jiahui; Chesi, Stefano; Wang, Ying-Dan	COMMUNICATIONS IN THEORETICAL PHYSICS	2024	76	7	75102	http://dx.doi.org/10.1088/1572-9494/ad3f94
220	Orbital Stability Study of the Taiji Space Gravitational Wave Detector	Zhang, Yu-Yang; Li, Geng; Wen, Bo	UNIVERSE	2024	10	5	219	http://dx.doi.org/10.3390/universe10050219

221	Orbital-selective superconductivity in the pressurized bilayer nickelate La3Ni2O7: An infinite projected entangled-pair state study	Chen, Jialin; Yang, Fan; Li, Wei	PHYSICAL REVIEW B	2024	110	4	L041111	http://dx.doi.org/10.1103/PhysRevB.110.L041111
222	Parity-enhanced quantum optimal measurements	Xing, Hai-Jun; Fu, Libin; Yi, Su	NEW JOURNAL OF PHYSICS	2024	26	1	13004	http://dx.doi.org/10.1088/1367-2630/ad15b5
223	Parity-violating primordial gravitational waves from null energy condition violation	Jiang, Zi-Wei; Cai, Yong; Wang, Fei; Piao, Yun-Song	JOURNAL OF HIGH ENERGY PHYSICS	2024		9	67	http://dx.doi.org/10.1007/JHEP09(2024)067
224	Phase Diagram, d-Wave Superconductivity, and Pseudogap of the $t-t'-J$ Model at Finite Temperature	Qu, Dai-Wei; Li, Qiaoyi; Gong, Shou-Shu; Qi, Yang; Li, Wei; Su, Gang	PHYSICAL REVIEW LETTERS	2024	133	25	256003	http://dx.doi.org/10.1103/PhysRevLett.133.256003
225	Phase structure and critical phenomena in two-flavor QCD by holography	Zhao, Yan-Qing; He, Song; Hou, Defu; Li, Li; Li, Zhibin	PHYSICAL REVIEW D	2024	109	8	86015	http://dx.doi.org/10.1103/PhysRevD.109.086015
226	Phase transition catalyzed by primordial black holes	Zeng, Zhen-Min; Guo, Zong-Kuan	PHYSICAL REVIEW D	2024	110	4	L041301	http://dx.doi.org/10.1103/PhysRevD.110.L041301
227	Phonon promoted charge density wave in topological kagome metal ScV6Sn6	Hu, Yong; ...Wu, Xianxin; etc.	NATURE COMMUNICATIONS	2024	15	1	1658	http://dx.doi.org/10.1038/s41467-024-45859-y
228	Phonon promoted charge density wave in topological kagome metal ScV6Sn6 (vol 15, 1658, 2024)	Hu, Yong; ...Wu, Xianxin; etc.	NATURE COMMUNICATIONS	2024	15	1	2196	http://dx.doi.org/10.1038/s41467-024-46562-8
229	Photoproduction of the $X(3872)$ beyond vector meson dominance: the open-charm coupled-channel mechanism	Cao, Xiong-Hui; Du, Meng-Lin; Guo, Feng-Kun	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	2024	51	10	105002	http://dx.doi.org/10.1088/1361-6471/ad6fbc
230	Pion axioproduction revisited	Li, Cheng-Cheng; Hu, Tao-Ran; Guo, Feng-Kun; Meissner, Ulf-G.	PHYSICAL REVIEW D	2024	109	7	75050	http://dx.doi.org/10.1103/PhysRevD.109.075050
231	Pionic transitions of the spin-2 partner of $X(3872)$ to χ cJ	Liu, Shi-Dong; Wang, Fan; Jia, Zhao-Sai; Li, Gang; Liu, Xiao-Hai; Xie, Ju-Jun	PHYSICAL REVIEW D	2024	110	5	54048	http://dx.doi.org/10.1103/PhysRevD.110.054048
232	Pions from higher-dimensional gluons: general realizations and stringy models	Dong, Jin; Li, Xiang; Zhu, Fan	JOURNAL OF HIGH ENERGY PHYSICS	2024		7	149	http://dx.doi.org/10.1007/JHEP07(2024)149
233	Planar matrices and arrays of Feynman diagrams	Cachazo, Freddy; Guevara, Alfredo; Umbert, Bruno; Zhang, Yong	COMMUNICATIONS IN THEORETICAL PHYSICS	2024	76	3	35002	http://dx.doi.org/10.1088/1572-9494/ad102d
234	Planar matrices and arrays of Feynman diagrams: poles for higher k	Guevara, Alfredo; Zhang, Yong	COMMUNICATIONS IN THEORETICAL PHYSICS	2024	76	4	45001	http://dx.doi.org/10.1088/1572-9494/ad1095
235	Polarization and quantum entanglement effects in $Bc\bar{s} \rightarrow J/\psi + \pi^+ + \pi^0$ process	Chen, Kaiwen; Geng, Yiqi; Jin, Yichao; Yan, Zhicheng; Zhu, Ruilin	EUROPEAN PHYSICAL JOURNAL C	2024	84	6	580	http://dx.doi.org/10.1140/epjc/s10052-024-12951-y
236	Positivity from J-Basis operators in the standard model effective Field Theory	Yang, Chengjie; Ren, Zhe; Yu, Jiang-Hao	JOURNAL OF HIGH ENERGY PHYSICS	2024		5	221	http://dx.doi.org/10.1007/JHEP05(2024)221
237	Possibility of Secondary i- and s-processes Following r-process in the Collapsar Jet	He, Zhenyu; Kajino, Toshitaka; Kusakabe, Motohiko; Zhou, Shan-Gui; Koura, Hiroyuki; Chiba, Satoshi; Li, Haining; Lin, Yangming	ASTROPHYSICAL JOURNAL LETTERS	2024	966	2	L37	http://dx.doi.org/10.3847/2041-8213/ad444c
238	Possible candidates for the simultaneous breaking of multiple symmetries in odd-mass Kr, Br, and Rb isotopes	Han, X. C.; Lu, X.; Liu, C.; Qi, B.; Wang, E. H.; Wang, S. Y.	INTERNATIONAL JOURNAL OF MODERN PHYSICS E	2024	33	12	2450057	http://dx.doi.org/10.1142/S0218301324500575
239	Possible $\Sigma c^*(\bar{Z})$ over-bar molecular states	Wu, Bing; Dong, Xiang-Kun; Guo, Feng-Kun; Zou, Bing -Song	PHYSICAL REVIEW D	2024	109	7	74041	http://dx.doi.org/10.1103/PhysRevD.109.074041
240	Precise determination of the pole position of the exotic $Z_c(3900)$	Chen, Yun-Hua; Du, Meng-Lin; Guo, Feng-Kun	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2024	67	9	291011	http://dx.doi.org/10.1007/s11433-023-2408-1
241	Predicting isovector charmonium-like states from $X(3872)$ properties	Zhang, Zhen-Hua; Ji, Teng; Dong, Xiang-Kun; Guo, Feng-Kun; Hanhart, Christoph; Meissner, Ulf-G.; Rusetsky, Akaki	JOURNAL OF HIGH ENERGY PHYSICS	2024		8	130	http://dx.doi.org/10.1007/JHEP08(2024)130
242	Premerger detection of massive black hole binaries using deep learning	Ruan, Wen-Hong; Guo, Zong-Kuan	PHYSICAL REVIEW D	2024	109	12	123031	http://dx.doi.org/10.1103/PhysRevD.109.123031
243	Primordial black hole interpretation in subsolar mass gravitational wave candidate SSM200308	Yuan, Chen; Huang, Qing-Guo	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2024		9	51	http://dx.doi.org/10.1088/1475-7516/2024/09/051
244	Primordial black holes and curvature perturbations from false vacuum islands	Cai, Rong-Gen; Hao, Yu-Shi; Wang, Shao-Jiang	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2024	67	9	290411	http://dx.doi.org/10.1007/s11433-024-2416-3
245	Primordial Black Holes from Null Energy Condition Violation during Inflation	Cai, Yong; Zhu, Mian; Piao, Yun-Song	PHYSICAL REVIEW LETTERS	2024	133	2	21001	http://dx.doi.org/10.1103/PhysRevLett.133.021001
246	Primordial extreme mass-ratio inspirals	Huang, Hai-Long; Song, Tian-Yi; Piao, Yun-Song	PHYSICS LETTERS B	2025	860		139198	http://dx.doi.org/10.1016/j.physletb.2024.139198

247	Probing a light long-lived pseudo-scalar from Higgs decay via displaced taus at the LHC	Shan, Lianyou; Wang, Lei; Yang, Jin Min; Zhu, Rui	JOURNAL OF HIGH ENERGY PHYSICS	2024		10	193	http://dx.doi.org/10.1007/JHEP10(2024)193
248	Probing higher-spin particles with gravitational waves from compact binary inspirals	Liu, Hao-Yang; Piao, Yun-Song; Zhang, Jun	PHYSICAL REVIEW D	2024	109	2	24030	http://dx.doi.org/10.1103/PhysRevD.109.024030
249	Probing inelastic dark matter at the LHC, FASER, and STCF	Lu, Chih-Ting; Tu, Jianfeng; Wu, Lei	PHYSICAL REVIEW D	2024	109	1	15018	http://dx.doi.org/10.1103/PhysRevD.109.015018
250	Probing the speed of gravitational waves beyond general relativity from CMB observations	Li, Jun; Guo, Guang-Hai; Zu, Yongcan	MODERN PHYSICS LETTERS A	2024	39	7	2450019	http://dx.doi.org/10.1142/S0217732324500196
251	Probing the speed of scalar induced gravitational waves from observations	Li, Jun; Guo, Guang-Hai; Zu, Yongcan	EUROPEAN PHYSICAL JOURNAL C	2024	84	10	1083	http://dx.doi.org/10.1140/epjc/s10052-024-13448-4
252	Probing the speed of scalar-induced gravitational waves with pulsar timing arrays	Chen, Zu-Cheng; Li, Jun; Liu, Lang; Yi, Zhu	PHYSICAL REVIEW D	2024	109	10	L101302	http://dx.doi.org/10.1103/PhysRevD.109.L101302
253	Probing ultralight tensor dark matter with the stochastic gravitational-wave background from advanced LIGO and Virgo's first three observing runs	Guo, Rong-Zhen; Jiang, Yang; Huang, Qing-Guo	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2024		4	53	http://dx.doi.org/10.1088/1475-7516/2024/04/053
254	Production of hidden-heavy and double-heavy hadronic molecules at the Z factory of CEPC	Jia, Zhao-Sai; Li, Gang; Shi, Pan-Pan; Zhang, Zhen-Hua	PHYSICAL REVIEW D	2024	110	1	14031	http://dx.doi.org/10.1103/PhysRevD.110.014031
255	PRODUCTION OF THE SPIN-2 PARTNER OF X(3872) IN e+ e- COLLISIONS	Shi, Pan-Pan	ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT	2024	17	6	6-A17	http://dx.doi.org/10.5506/APHysPolBSupp.17.6-A17
256	Production of the X(4014) as the Spin-2 Partner of X(3872) in e+ e- Collisions	Shi, Pan-Pan; Baru, Vadim; Guo, Feng-Kun; Hanhart, Christoph; Nefediev, Alexey	CHINESE PHYSICS LETTERS	2024	41	3	31301	http://dx.doi.org/10.1088/0256-307X/41/3/031301
257	Prospects for Taiji to detect a gravitational-wave background from cosmic strings	Chen, Zu-Cheng; Huang, Qing-Guo; Liu, Chang; Liu, Lang; Liu, Xiao-Jin; Wu, You; Wu, Yu-Mei; Yi, Zhu; You, Zhi-Qiang	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2024		3	22	http://dx.doi.org/10.1088/1475-7516/2024/03/022
258	Protein Structure Prediction: Challenges, Advances, and the Shift of Research Paradigms	Huang, Bin; Kong, Lupeng; Wang, Chao; Ju, Fusong; Zhang, Qi; Zhu, Jianwei; Gong, Tiansu; Zhang, Haicang; Yu, Chungong; Zheng, Wei-Mou; Bu, Dongbo	GENOMICS PROTEOMICS & BIOINFORMATICS	2023	21	5	913-925	http://dx.doi.org/10.1016/j.gpb.2022.11.014
259	Quantifying the Tension between Cosmological Models and JWST Red Candidate Massive Galaxies	Wang, Jun-Chao; Huang, Zhi-Qi; Huang, Lu; Liu, Jianqi	RESEARCH IN ASTRONOMY AND ASTROPHYSICS	2024	24	4	45001	http://dx.doi.org/10.1088/1674-4527/ad2cd3
260	Quantum analog to flapping of flags: interface instability for co-flow binary superfluids	An, Yu-Ping; Li, Li; Zeng, Hua-Bi	JOURNAL OF HIGH ENERGY PHYSICS	2024		10	14	http://dx.doi.org/10.1007/JHEP10(2024)014
261	Quantum resource theory of coding for error correction	Wang, Dong-Sheng; Liu, Yuan-Dong; Wang, Yun-Jiang; Luo, Shunlong	PHYSICAL REVIEW A	2024	110	3	32413	http://dx.doi.org/10.1103/PhysRevA.110.032413
262	Quark masses and low-energy constants in the continuum from the tadpole-improved clover ensembles	Hu, Zhi-Cheng; Hu, Bo-Lun; Wang, Ji-Hao; Gong, Ming; Liu, Guoming; Liu, Liuming; Sun, Peng; Sun, Wei; Wang, Wei; Yang, Yi-Bo; Zhao, Dian-Jun	PHYSICAL REVIEW D	2024	109	5	54507	http://dx.doi.org/10.1103/PhysRevD.109.054507
263	Quasinormal modes of gravitational perturbation for uniformly accelerated black holes	Chen, Tan; Cai, Rong-Gen; Hu, Bin	PHYSICAL REVIEW D	2024	109	8	84049	http://dx.doi.org/10.1103/PhysRevD.109.084049
264	Quiver algebras and their representations for arbitrary quivers	Li, Wei	JOURNAL OF HIGH ENERGY PHYSICS	2024		12	89	http://dx.doi.org/10.1007/JHEP12(2024)089
265	Reconciling early dark energy with a Harrison-Zeldovich spectrum	Fu, Chengjie; Wang, Shao-Jiang	PHYSICAL REVIEW D	2024	109	4	L041304	http://dx.doi.org/10.1103/PhysRevD.109.L041304
266	Reconciling experimental and lattice data of Zc(3900) in a J=ψπ- DD* coupled-channel analysis	Yan, Lin-Wan; Guo, Zhi-Hui; Guo, Feng-Kun; Yao, De-Liang; Zhou, Zhi-Yong	PHYSICAL REVIEW D	2024	109	1	14026	http://dx.doi.org/10.1103/PhysRevD.109.014026
267	Recurrent dynamic message passing with loops for epidemics on networks	Gao, Fei; Liu, Jing; Zhao, Yaqian	CHAOS SOLITONS & FRACTALS	2024	184		115045	http://dx.doi.org/10.1016/j.chaos.2024.115045
268	Recursive structure of Baikov representations: The top-down reduction with intersection theory	Jiang, Xuhang; Lian, Ming; Yang, Li Lin	PHYSICAL REVIEW D	2024	109	7	76020	http://dx.doi.org/10.1103/PhysRevD.109.076020
269	Relativistic three-body scattering and the D0D* plus - D plus D*0 system	Zhang, Xu	PHYSICAL REVIEW D	2024	109	9	94010	http://dx.doi.org/10.1103/PhysRevD.109.094010
270	Research on light dark matter particle from evaporating primordial black hole in CDEX-10 experiment	Huang, Qing-Guo	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2024	67	10	101031	http://dx.doi.org/10.1007/s11433-024-2462-9

271	Return of Harrison-Zeldovich spectrum in light of recent cosmological tensions	Jiang, Jun-Qian; Ye, Gen; Piao, Yun-Song	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2024	527	1	L54-L59	http://dx.doi.org/10.1093/mnras/lsad137
272	Revealing the mystery of the double charm tetraquark in pp collision	Hua, Xue-Li; Li, Yi-Yao; Wang, Qian; Yang, Shuai; Zhao, Qiang; Zou, Bing-Song	EUROPEAN PHYSICAL JOURNAL C	2024	84	8	800	http://dx.doi.org/10.1140/epjc/s10052-024-13161-2
273	Review of the Low-Lying Excited Baryons $\Sigma^*(1/2^-)$	Wang, En; Geng, Li-Sheng; Wu, Jia-Jun; Xie, Ju-Jun; Zou, Bing-Song	CHINESE PHYSICS LETTERS	2024	41	10	101401	http://dx.doi.org/10.1088/0256-307X/41/10/101401
274	Revisiting a Realistic Intersecting D6-Brane with Modified Soft SUSY Terms	Khan, Imtiaz; Ahmed, Waqas; Li, Tianjun; Raza, Shabbar	UNIVERSE	2024	10	4	176	http://dx.doi.org/10.3390/universe10040176
275	Revisiting the N=1 supersymmetric trinification models from intersecting D6-branes	Mansha, Adeel; Li, Tianjun; Sabir, Mudassar	COMMUNICATIONS IN THEORETICAL PHYSICS	2024	76	9	95201	http://dx.doi.org/10.1088/1572-9494/ad565f
276	Revisiting the Surface Brightness Profile of the Stellar Disk with the Statistical Mechanics of the Self-Gravitating System with the Central Body	Kang, Dong-Biao	ENTROPY	2024	26	4	297	http://dx.doi.org/10.3390/e26040297
277	Revisiting the Thickness of the Air-Water Interface from Two Extremes of Interface Hydrogen Bond Dynamics	Huang, Gang; Huang, Jie	JOURNAL OF CHEMICAL THEORY AND COMPUTATION	2024	20	20	9107-9115	http://dx.doi.org/10.1021/acs.jctc.4c00457
278	Revisiting the ultraviolet tail of the primordial gravitational wave	Pi, Shi; Sasaki, Misao; Wang, Ao; Wang, Jianing	PHYSICAL REVIEW D	2024	110	10	103529	http://dx.doi.org/10.1103/PhysRevD.110.103529
279	Revisiting Trimaximal TM2 mixing in two A4 modular symmetries	Zhang, Han; Zhou, Ye-Ling	INTERNATIONAL JOURNAL OF MODERN PHYSICS A	2024	39	05N06	2450027	http://dx.doi.org/10.1142/S0217751X24500271
280	Right-handed slepton bulk region for dark matter in generalized no-scale F-SU(5) with effective supernatural supersymmetry	Yin, Xiangwei; Maxin, James A.; V. Nanopoulos, Dimitri; Li, Tianjun	PHYSICAL REVIEW D	2024	109	11	115031	http://dx.doi.org/10.1103/PhysRevD.109.115031
281	Right-handed slepton bulk regions for dark matter in a generalized minimal supergravity	Khan, Imtiaz; Ahmed, Waqas; Li, Tianjun; Raza, Shabbar	PHYSICAL REVIEW D	2024	109	7	75051	http://dx.doi.org/10.1103/PhysRevD.109.075051
282	Robust topological superconductivity in spin-orbit coupled systems at higher-order van Hove filling	Han, Xinloong; Zhan, Jun; Zhang, Fu-Chun; Hu, Jiangping; Wu, Xianxin	SCIENCE BULLETIN	2024	69	3	319-324	http://dx.doi.org/10.1016/j.scib.2023.12.005
283	Scaling Transition of Active Turbulence from Two to Three Dimensions	Wei, Da; Yang, Yaochen; Wei, Xuefeng; Golestanian, Ramin; Li, Ming; Meng, Fanlong; Peng, Yi	ADVANCED SCIENCE	2024	11	38		http://dx.doi.org/10.1002/advs.202402643
284	Scattering and Bound Observables for Spinning Particles in Kerr Spacetime with Generic Spin Orientations	Gonzo, Riccardo; Shi, Canxin	PHYSICAL REVIEW LETTERS	2024	133	22	221401	http://dx.doi.org/10.1103/PhysRevLett.133.221401
285	Search for nontensorial gravitational-wave backgrounds in the NANOGrav 15-year dataset	Chen, Zu-Cheng; Wu, Yu-Mei; Bi, Yan-Chen; Huang, Qing-Guo	PHYSICAL REVIEW D	2024	109	8	84045	http://dx.doi.org/10.1103/PhysRevD.109.084045
286	Searching for heavy millicharged particles from the atmosphere	Wu, Han; Hardy, Edward; Song, Ningqiang	PHYSICAL REVIEW D	2024	110	11	115037	http://dx.doi.org/10.1103/PhysRevD.110.115037
287	Self-interacting dark matter implied by nano-Hertz gravitational waves	Han, Chengcheng; Xie, Ke-Pan; Yang, Jin Min; Zhang, Mengchao	PHYSICAL REVIEW D	2024	109	11	115025	http://dx.doi.org/10.1103/PhysRevD.109.115025
288	Separation of infrared and bulk in thermal QCD	Meng, Xiao-Lan; Sun, Peng; Alexandru, Andrei; Horvath, Ivan; Liu, Keh-Fei; Wang, Gen; Yang, Yi-Bo	JOURNAL OF HIGH ENERGY PHYSICS	2024		12	101	http://dx.doi.org/10.1007/JHEP12(2024)101
289	Simulations of evaporation to deep Fermi degeneracy in microwave-shielded molecules	Wang, Reuben R. W.; Biswas, Shrestha; Eppelt, Sebastian; Deng, Fulin; Luo, Xin-Yu; Bohn, John L.	PHYSICAL REVIEW A	2024	110	4	43309	http://dx.doi.org/10.1103/PhysRevA.110.043309
290	Slowly rotating charges from Weyl double copy for Kerr black hole with Chern-Simons correction	Liu, Yi-Ran; Zhang, Jing-Rui; Zhang, Yun-Long	COMMUNICATIONS IN THEORETICAL PHYSICS	2024	76	8	85405	http://dx.doi.org/10.1088/1572-9494/ad4a37
291	Sommerfeld enhancement for puffy self-interacting dark matter	Wang, Wenyu; Xu, Wu-Long; Yang, Jin Min; Zhu, Bin; Zhu, Rui	JOURNAL OF HIGH ENERGY PHYSICS	2024		1	114	http://dx.doi.org/10.1007/JHEP01(2024)114
292	Spontaneous deformation of an AdS spherical black hole	Ning, Zhuan; Chen, Qian; Tian, Yu; Wu, Xiaoning; Zhang, Hongbao	PHYSICAL REVIEW D	2024	109	6	64082	http://dx.doi.org/10.1103/PhysRevD.109.064082
293	STCF conceptual design report (Volume 1): Physics & detector	Achasov, M.; ... Zou, B. S.; Zuo, Y. B.	FRONTIERS OF PHYSICS	2024	19	1	14701	http://dx.doi.org/10.1007/s11467-023-1333-z
294	Stochastic resetting can optimize the intermittent search strategy in a two-dimensional confined topography	Liu, Jian	PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS	2024	650		130011	http://dx.doi.org/10.1016/j.physa.2024.130011

295	Structural and mechanical properties of monolayer amorphous carbon and boron nitride 4	Zhang, Xi; Zhang, Yu-Tian; Wang, Yun-Peng; Li, Shiyu; Du, Shixuan; Zhang, Yu-Yang; Pantelides, Sokrates T.	PHYSICAL REVIEW B	2024	109	17	174106	http://dx.doi.org/10.1103/PhysRevB.109.174106
296	Structural, magnetic, and magnetocaloric properties of triangular-lattice transition-metal phosphates	Zhang, Chuandi; Xiang, Junsen; Zhu, Quanliang; Wu, Longfei; Zhang, Shanfeng; Xu, Juping; Yin, Wen; Sun, Peijie; Li, Wei; Su, Gang; Jin, Wentao	PHYSICAL REVIEW MATERIALS	2024	8	4	44409	http://dx.doi.org/10.1103/PhysRevMaterials.8.044409
297	Subthreshold production of J/ψ mesons from the deuteron with the proposed Solenoidal Large Intensity Device	Liu, Tianbo; Zhao, Zhiwen; Cai, Mengchu; Byer, Duane; Gao, Hailan	PHYSICAL REVIEW C	2024	109	6	65206	http://dx.doi.org/10.1103/PhysRevC.109.065206
298	Successive magnetic transitions in the spin-5/2 easy-axis triangular-lattice antiferromagnet $\text{Na}_2\text{BaMn}(\text{PO}_4)_2$: A neutron diffraction study	Zhang, Chuandi; Xiang, Junsen; Su, Cheng; Sheptyakov, Denis; Liu, Xinyang; Gao, Yuan; Sun, Peijie; Li, Wei; Su, Gang; Jin, Wentao	PHYSICAL REVIEW B	2024	110	21	214405	http://dx.doi.org/10.1103/PhysRevB.110.214405
299	Superconducting diodes from magnetization gradients	Roig, Merce; Kotetes, Panagiotis; Andersen, Brian M.	PHYSICAL REVIEW B	2024	109	14	144503	http://dx.doi.org/10.1103/PhysRevB.109.144503
300	Superglueon scattering in AdS: constructibility, spinning amplitudes, and new structures	Cao, Qu; He, Song; Li, Xiang; Tang, Yichao	JOURNAL OF HIGH ENERGY PHYSICS	2024		10	40	http://dx.doi.org/10.1007/JHEP10(2024)040
301	Supermassive black holes triggered by QCD axion bubbles	Li, Hai-Jun; Peng, Ying-Quan; Chao, Wei; Zhou, Yu-Feng	COMMUNICATIONS IN THEORETICAL PHYSICS	2024	76	5	55405	http://dx.doi.org/10.1088/1572-9494/ad3958
302	Supermassive Primordial Black Holes for Nano-Hertz Gravitational Waves and High-redshift JWST Galaxies	Huang, Hai-Long; Cai, Yong; Jiang, Jun-Qian; Zhang, Jun; Piao, Yun-Song	RESEARCH IN ASTRONOMY AND ASTROPHYSICS	2024	24	9	91001	http://dx.doi.org/10.1088/1674-4527/ad683d
303	Symbology of Feynman integrals from twistor geometries	He, Song; Liu, Jiahao; Tang, Yichao; Yang, Qinglin	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2024	67	3	231011	http://dx.doi.org/10.1007/s11433-023-2264-8
304	Tensor bispectrum mediated by an excited scalar field during inflation	Peng, Zhi-Zhang; Fang, Cheng-Jun; Guo, Zong-Kuan	PHYSICAL REVIEW D	2024	110	4	43538	http://dx.doi.org/10.1103/PhysRevD.110.043538
305	Tensor Network Message Passing	Wang, Yijia; Zhang, Yuwen Ebony; Pan, Feng; Zhang, Pan	PHYSICAL REVIEW LETTERS	2024	132	11	117401	http://dx.doi.org/10.1103/PhysRevLett.132.117401
306	Testing the molecular nature of the $\Omega(2012)$ with the $\psi(3770) \rightarrow (\bar{Q})\text{over-bar}(K)\text{over-bar}(K)\text{over-bar}\Xi$ and $\psi(3770) \rightarrow (\bar{Q})\text{over-bar}(K)\text{over-bar}(K)\text{over-bar}\Xi^*$ (1530) ($(\bar{Q})\text{over-bar}(K)\text{over-bar}(K)\text{over-bar}\Xi$) reactions	Song, Jing; Liang, Wei-Hong; Xiao, Chu-Wen; Dias, Jorgivan Morais; Oset, Eulogio	EUROPEAN PHYSICAL JOURNAL C	2024	84	12	1311	http://dx.doi.org/10.1140/epjc/s10052-024-13710-9
307	Testing the ns -H0 scaling relation with Planck-independent CMB data	Peng, Ze-Yu; Piao, Yun-Song	PHYSICAL REVIEW D	2024	109	2	23519	http://dx.doi.org/10.1103/PhysRevD.109.023519
308	The ABJM Amplituhedron (vol 165, JHEP09, 2023)	He, Song; Huang, Yu-tin; Kuo, Chia-Kai	JOURNAL OF HIGH ENERGY PHYSICS	2024		4	64	http://dx.doi.org/10.1007/JHEP04(2024)064
309	The connection between nucleon energy correlators and fracture functions	Chen, Kai-Bao; Ma, Jian-Ping; Tong, Xuan-Bo	JOURNAL OF HIGH ENERGY PHYSICS	2024		8	227	http://dx.doi.org/10.1007/JHEP08(2024)227
310	The doomsday of black hole evaporation	Wang, Shao-jiang	EPL	2024	146	3	39002	http://dx.doi.org/10.1209/0295-5075/ad3b36
311	The effect of higher harmonics on gravitational wave dark sirens	Liu, Jian-Dong; Han, Wen-Biao; Yun, Qianyun; Yang, Shu-Cheng	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2024	532	4	4722-4728	http://dx.doi.org/10.1093/mnras/stae1730
312	The origin of the 95 GeV excess in the flavor-dependent $U(1)_X$ model	Ge, Zhao-feng; Niu, Feng-Yan; Yang, Jin-Lei	EUROPEAN PHYSICAL JOURNAL C	2024	84	5	548	http://dx.doi.org/10.1140/epjc/s10052-024-12872-w
313	The proton charge radius from dimuon photoproduction off the proton	Lin, Yong-Hui; Guo, Feng-Kun; Meissner, Ulf-G.	PHYSICS LETTERS B	2024	858		139023	http://dx.doi.org/10.1016/j.physletb.2024.139023
314	The pseudospectrum and transient of Kaluza-Klein black holes in Einstein-Gauss-Bonnet gravity	Chen, Jia-Ning; Wu, Liang-Bi; Guo, Zong-Kuan	CLASSICAL AND QUANTUM GRAVITY	2024	41	23	235015	http://dx.doi.org/10.1088/1361-6382/ad89a1
315	The Quenched gA in Nuclei and Infrared Fixed Point in QCD	Rho, Mannque; Shao, Long-Qi	SYMMETRY-BASEL	2024	16	12	1704	http://dx.doi.org/10.3390/sym16121704
316	The radiative decay of scalar glueball from lattice QCD	Zou, Jintao; Gui, Long-Cheng; Chen, Ying; Qin, Wen; Liang, Jian; Jiang, Xiangyu; Yang, Yibo	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2024	67	11	111012	http://dx.doi.org/10.1007/s11433-024-2451-5
317	The stochastic gravitational wave background from primordial gravitational atoms	Kang, Zhaofeng; Li, Tianjun; Ye, Weitao	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2024		11	39	http://dx.doi.org/10.1088/1475-7516/2024/11/039

318	The yielding of granular matter is marginally stable and critical	Shang, Jin; Wang, Yinqiao; Pan, Deng; Jin, Yuliang; Zhang, Jie	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2024	121	33	e2402843121	http://dx.doi.org/10.1073/pnas.2402843121
319	Theoretical point of view on Cabibbo angle anomaly	Kitahara, Teppei	INTERNATIONAL JOURNAL OF MODERN PHYSICS A	2024	39	26N27	2442011	http://dx.doi.org/10.1142/S0217751X24420119
320	Thermalization of one-dimensional classical lattices: beyond the weakly interacting regime	Wang, Zhen; Fu, Weicheng; Zhang, Yong; Zhao, Hong	COMMUNICATIONS IN THEORETICAL PHYSICS	2024	76	11	115601	http://dx.doi.org/10.1088/1572-9494/ad696d
321	Thermalization of Two- and Three-Dimensional Classical Lattices	Wang, Zhen; Fu, Weicheng; Zhang, Yong; Zhao, Hong	PHYSICAL REVIEW LETTERS	2024	132	21	217102	http://dx.doi.org/10.1103/PhysRevLett.132.217102
322	Thermodynamic crossovers in supercritical fluids	Li, Xinyang; Jin, Yuliang	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2024	121	18	e2400313121	http://dx.doi.org/10.1073/pnas.2400313121
323	Thermodynamic of the f(Q) universe	Rao, Haomin; Liu, Chunhui; Geng, Chao-Qiang	EUROPEAN PHYSICAL JOURNAL C	2024	84	12	1317	http://dx.doi.org/10.1140/epjc/s10052-024-13711-8
324	Three-family supersymmetric Pati-Salam models with symplectic groups from intersecting D6-branes	Mansha, Adeel; Li, Tianjun; Sabir, Mudassar; Wu, Lina	EUROPEAN PHYSICAL JOURNAL C	2024	84	2	151	http://dx.doi.org/10.1140/epjc/s10052-024-12411-7
325	Time-correlation functions of stochastic three-sphere micromachines	Li, Jun; Zhang, Ziluo; Hou, Zhanglin; Yasuda, Kento; He, Linli; Komura, Shigeyuki	PHYSICAL REVIEW E	2024	110	4	44603	http://dx.doi.org/10.1103/PhysRevE.110.044603
326	Time-reversal asymmetries in $\Lambda b \rightarrow \Lambda(-\pi\pi^+)^0$	Geng, Chao-Qiang; Liu, Chia-Wei; Wei, Zheng-Yi	CHINESE PHYSICS C	2024	48	3	33101	http://dx.doi.org/10.1088/1674-1137/ad13f6
327	Topological electronic structure and electronic nematicity in candidate kagome superconductors, ATi3Bi5 (A = Rb, Cs)	Hu, Yong; Le, Congcong; Wu, Xianxin; Shi, Ming	SUPERCONDUCTOR SCIENCE & TECHNOLOGY	2024	37	12	123004	http://dx.doi.org/10.1088/1361-6668/ad8bf9
328	Toward supermassive primordial black holes from inflationary bubbles	Huang, Hai -Long; Piao, Yun-Song	PHYSICAL REVIEW D	2024	110	2	23501	http://dx.doi.org/10.1103/PhysRevD.110.023501
329	Towards a muon collider (vol 83, 864, 2023)	Accettura, Carlotta; Adams, Dean; etc.	EUROPEAN PHYSICAL JOURNAL C	2024	84	1	36	http://dx.doi.org/10.1140/epjc/s10052-023-12257-5
330	Towards classifying the interior dynamics of charged black holes with scalar hair	Cai, Rong-Gen; Duan, Mei-Ning; Li, Li; Yang, Fu-Guo	JOURNAL OF HIGH ENERGY PHYSICS	2024		2	169	http://dx.doi.org/10.1007/JHEP02(2024)169
331	Trace anomaly form factors from lattice QCD	Wang, Bigeng; He, Fangcheng; Wang, Gen; Draper, Terrence; Liang, Jian; Liu, Keh-Fei; Yang, Yi-Bo	PHYSICAL REVIEW D	2024	109	9	94504	http://dx.doi.org/10.1103/PhysRevD.109.094504
332	Transverse-momentum-dependent wave functions of the pion from lattice QCD	Chu, Min-Huan; He, Jin-Chen; Hua, Jun; Liang, Jian; Ji, Xiangdong; Schaefer, Andreas; Shu, Hai-Tao; Su, Yushan; Wang, Ji-Hao; Wang, Wei; Yang, Yi-Bo; Zeng, Jun; Zhang, Jian-Hui; Zhang, Qi-An	PHYSICAL REVIEW D	2024	109	9	L091503	http://dx.doi.org/10.1103/PhysRevD.109.L091503
333	Trapped early dark energy	Wang, Hao; Piao, Yun-Song	PHYSICS LETTERS B	2024	856		138914	http://dx.doi.org/10.1016/j.physletb.2024.138914
334	Triangle singularity in the $J = \psi \rightarrow \phi\pi\pi^+ a_0^- (\pi^- \eta) , \phi\pi\pi^- a_0^+ (\pi^+ \eta)$ decays	Xiao, C. W.; Dias, J. M.; Dai, L. R.; Liang, W. H.; Oset, E.	PHYSICAL REVIEW D	2024	109	7	74033	http://dx.doi.org/10.1103/PhysRevD.109.074033
335	Two-photon production of f0 and a0 resonances as hadronic molecules composed of two vector mesons	Yang, Li-Ke; Wang, Zheng-Li; Wu, Jia-Jun; Zou, Bing-Song	PHYSICAL REVIEW D	2024	110	3	36020	http://dx.doi.org/10.1103/PhysRevD.110.036020
336	Type I critical dynamical scalarization and descalarization in Einstein-Maxwell-scalar theory	Jiang, Jia-Yan; Chen, Qian; Liu, Yunqi; Tian, Yu; Xiong, Wei; Zhang, Cheng-Yong; Wang, Bin	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2024	67	2	220411	http://dx.doi.org/10.1007/s11433-023-2231-5
337	Typhoon eye-shaped global convective flow field-induced colloidal motor swarm	Huang, Yang; Zhang, Ziluo; Yang, Ling; He, Qiang	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS	2024	689		133692	http://dx.doi.org/10.1016/j.colsurfa.2024.133692
338	Ultracold field-linked tetraatomic molecules	Chen, Xing-Yan; Biswas, Shrestha; Eppelt, Sebastian; Schindewolf, Andreas; Deng, Fulin; Shi, Tao; Yi, Su; Hilker, Timon A.; Bloch, Immanuel; Luo, Xin-Yu	NATURE	2024	626	7998		http://dx.doi.org/10.1038/s41586-023-06986-6
339	Understanding chiral charge-density wave by frozen chiral phonon	Zhang, Shuai; Luo, Kaifu; Zhang, Tiantian	NPJ COMPUTATIONAL MATERIALS	2024	10	1	264	http://dx.doi.org/10.1038/s41524-024-01440-1

340	Unitarity bounds on the massive spin-2 particle explanation of muon g-2 anomaly	Huang, Da; Geng, Chao-Qiang; Wu, Jiajun	EUROPEAN PHYSICAL JOURNAL C	2024	84	3	246	http://dx.doi.org/10.1140/epjc/s10052-024-12569-0
341	Universal quantum computing models: a perspective of resource theory	Wang, Dong-Sheng	ACTA PHYSICA SINICA	2024	73	22	220302	http://dx.doi.org/10.7498/aps.73.20240893
342	Unpolarized transverse momentum dependent parton distributions of the nucleon from lattice QCD	He, Jin-Chen; Chu, Min-Huan; Hua, Jun; Ji, Xiangdong; Schaefer, Andreas; Su, Yushan; Wang, Wei; Yang, Yi-Bo; Zhang, Jian-Hui; Zhang, Qi-An	PHYSICAL REVIEW D	2024	109	11	114513	http://dx.doi.org/10.1103/PhysRevD.109.114513
343	Unveiling quantum phases in quasi-one-dimensional dipolar gases using continuous matrix product states	Peng, Li; Pan, Junqiao; Yi, Su; Shi, Tao	PHYSICAL REVIEW A	2024	110	2	23330	http://dx.doi.org/10.1103/PhysRevA.110.023330
344	Upper limit on the axion-photon coupling from Markarian 421	Li, Hai-Jun; Chao, Wei; Zhou, Yu-Feng	PHYSICS LETTERS B	2024	858		139075	http://dx.doi.org/10.1016/j.physletb.2024.139075
345	W boson mass in NP models with an extra U(1) gauge group	Yang, Jin-Lei; Ge, Zhao-Feng; Yang, Xiu-Yi; Cui, Sheng-Kai; Feng, Tai-Fu	CHINESE PHYSICS C	2024	48	11	113102	http://dx.doi.org/10.1088/1674-1137/ad7012
346	WaveFormer: transformer-based denoising method for gravitational-wave data	Wang, He; Zhou, Yue; Cao, Zhoujian; Guo, Zongkuan; Ren, Zhixiang	MACHINE LEARNING-SCIENCE AND TECHNOLOGY	2024	5	1	15046	http://dx.doi.org/10.1088/2632-2153/ad2f54
347	Weakening of La Niña Impact on Negative Indian Ocean Dipole Under Global Warming	Zu, Yongcan; Sun, Shuangwen; Fang, Yue; Liu, Lin; Gao, Libao; Guo, Guijun; Li, Jun	GEOPHYSICAL RESEARCH LETTERS	2024	51	17	e2024GL110039	http://dx.doi.org/10.1029/2024GL110039
348	White paper on light sterile neutrino searches and related phenomenology	Acero, M. A.; Argüelles, C. A.; etc.	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	2024	51	12	120501	http://dx.doi.org/10.1088/1361-6471/ad307f
349	α decay of the new isotope ^{227}Pu	Yang, H. B.; ...Zhou, S. G.; Xu, H. S.	PHYSICAL REVIEW C	2024	110	4	44302	http://dx.doi.org/10.1103/PhysRevC.110.044302
350	α -decay properties of new neutron-deficient isotope ^{203}Ac	Wang, J. G.;...Zhou, S. G.; etc.	PHYSICS LETTERS B	2024	850		138503	http://dx.doi.org/10.1016/j.physletb.2024.138503
351	σ exchange in the one-boson exchange model involving the ground state octet baryons	Wu, Bing; Cao, Xiong-Hui; Dong, Xiang-Kun; Guo, Feng-Kun	PHYSICAL REVIEW D	2024	109	3	34026	http://dx.doi.org/10.1103/PhysRevD.109.034026