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No.	Article Title	Authors	Source Title	Year	Volume	Issue	Page	DOI Link
1	(1)S0 hyperon superfluidity in neutron stars from a separable pairing force of finite range	Tu, Zhong-Hao	PHYSICAL REVIEW C	2022	106	2	25806	http://dx.doi.org/10.1103/PhysRevC.106.025806
2	A classical density functional approach to depletion interaction of Lennard-Jones binary mixtures	Chen, Yue; Chen, Wei; Chen, Xiaosong	COMMUNICATIONS IN THEORETICAL PHYSICS	2022	74	3	35602	http://dx.doi.org/10.1088/1572-9494/ac4511
3	A minimal model for the auxetic response of liquid crystal elastomers	Yu, Bingyu; Gao, Yuanchenxi; Zheng, Bin; Meng, Fanlong; Fang, Yu; Ye, Fangfu; Ouyang, Zhongcan	CHINESE PHYSICS B	2022	31	10	104601	http://dx.doi.org/10.1088/1674-1056/ac754e
4	A nice two-loop next-to-next-to-MHV amplitude in N=4 super-Yang-Mills	He, Song; Li, Zhenjie; Zhang, Chi	JOURNAL OF HIGH ENERGY PHYSICS	2022		12	158	http://dx.doi.org/10.1007/JHEP12(2022)158
5	A prototype of quantum von Neumann architecture	Wang, Dong-Sheng	COMMUNICATIONS IN THEORETICAL PHYSICS	2022	74	9	95103	http://dx.doi.org/10.1088/1572-9494/ac68d8
6	A study of Feynman integrals with uniform transcendental weights and their symbology	He, Song; Li, Zhenjie; Ma, Rourou; Wu, Zihao; Yang, Qinglin; Zhang, Yang	JOURNAL OF HIGH ENERGY PHYSICS	2022		10	165	http://dx.doi.org/10.1007/JHEP10(2022)165
7	Anomalous band center localization in the one-dimensional Anderson model with a disordered distribution of infinite variance	Cui, Yang; Feng, Delong; Kang, Kai; Qin, Shaojing	PHYSICAL REVIEW E	2022	105	2	24131	http://dx.doi.org/10.1103/PhysRevE.105.024131
8	Anomaly-free ALP from non-Abelian flavor symmetry	Han, C.; Lopez-Ibanez, M. L.; Melis, A.; Vives, O.; Yang, J. M.	JOURNAL OF HIGH ENERGY PHYSICS	2022		8	306	http://dx.doi.org/10.1007/JHEP08(2022)306
9	Anticharmed strange pentaquarks from the one-boson-exchange model	Yalikun, Nijiati; Zou, Bing-Song	PHYSICAL REVIEW D	2022	105	9	94026	http://dx.doi.org/10.1103/PhysRevD.105.094026
10	Applicability of holography in thermodynamic equilibrium	Yang, Run-Qiu; Li, Li; Cai, Rong-Gen	PHYSICAL REVIEW D	2022	106	12		http://dx.doi.org/10.1103/PhysRevD.106.126020
11	B-c -> J/psi helicity form factors and the B-c(+) -> J/psi plus (P, V, l(+)nu(l)) decays	Cheng, Wei; Zhang, Yi; Zeng, Long; Fu, Hai-Bing; Wu, Xing-Gang	CHINESE PHYSICS C	2022	46	5	53103	http://dx.doi.org/10.1088/1674-1137/ac4c9f
12	Birefringence tomography for axion cloud	Chen, Yifan; Li, Chunlong; Mizuno, Yosuke; Shu, Jing; Xue, Xiao; Yuan, Qiang; Zhao, Yue; Zhou, Zihan	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2022		9	73	http://dx.doi.org/10.1088/1475-7516/2022/09/073
13	Bootstrapping octagons in reduced kinematics from A(2) cluster algebras (vol 10, 084, 2021)	He, Song; Li, Zhenjie; Tang, Yichao; Yang, Qinglin	JOURNAL OF HIGH ENERGY PHYSICS	2022		6	79	http://dx.doi.org/10.1007/JHEP06(2022)079
14	Caging-Pnictogen-Induced Superconductivity in Skutterudites IrX3(X = As, P)	Pei, Cuiying; Ying, Tianping; Zhang, Qinghua; etc.	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	2022	144	14	6208-6214	http://dx.doi.org/10.1021/jacs.1c09244
15	Can electron and muon g-2 anomalies be jointly explained in SUSY?	Li, Song; Xiao, Yang; Yang, Jin Min	EUROPEAN PHYSICAL JOURNAL C	2022	82	3	276	http://dx.doi.org/10.1140/epjc/s10052-022-10242-y
16	Causal diamonds, cluster polytopes and scattering amplitudes	Arkani-Hamed, N.; He, S.; Salvatori, G.; Thomas, H.	JOURNAL OF HIGH ENERGY PHYSICS	2022		11	49	http://dx.doi.org/10.1007/JHEP11(2022)049
17	Chemical freeze-out parameters via a nonperturbative QCD approach	Lu, Yi; Chen, Muyang; Bai, Zhan; Gao, Fei; Yu-xin Liu	PHYSICAL REVIEW D	2022	105	3	34012	http://dx.doi.org/10.1103/PhysRevD.105.034012
18	Chern Fermi pocket, topological pair density wave, and charge-4e and charge-6e superconductivity in kagome superconductors	Zhou, Sen; Wang, Ziqiang	NATURE COMMUNICATIONS	2022	13	1	7288	http://dx.doi.org/10.1038/s41467-022-34832-2
19	Cobalt-Dimer Nitrides: A Potential Novel Family of High-Temperature Superconductors	Gu, Yuhao; Jiang, Kun; Wu, Xianxin; Hu, Jiangping	CHINESE PHYSICS LETTERS	2022	39	9	97401	http://dx.doi.org/10.1088/0256-307X/39/9/097401
20	Coexistence of ergodicity and nonergodicity in the aging two-state random walks	Liu, Jian; Jin, Yuliang; Bao, Jing-Dong; Chen, Xiaosong	SOFT MATTER	2022	18	45	8687-8699	http://dx.doi.org/10.1039/d2sm01093c
21	Coexistence of trihexagonal and star-of-David pattern in the charge density wave of the kagome superconductor AV3Sb5	Hu, Yong; Wu, Xianxin; Ortiz, Brenden R.; Han, Xinloong; Plumb, Nicholas C.; Wilson, Stephen D.; Schnyder, Andreas P.; Shi, Ming	PHYSICAL REVIEW B	2022	106	24	L241106	http://dx.doi.org/10.1103/PhysRevB.106.L241106
22	Collapsing dust thin shells in Einstein-Gauss-Bonnet gravity	Huang, Yong-Ming; Tian, Yu; Wu, Xiao-Ning	EUROPEAN PHYSICAL JOURNAL C	2022	82	2	183	http://dx.doi.org/10.1140/epjc/s10052-022-10075-9
23	Color-kinematics duality for Sudakov form factor in non-supersymmetric pure Yang-Mills theory	Li, Zeyu; Yang, Gang; Zhang, Jinxuan	COMMUNICATIONS IN THEORETICAL PHYSICS	2022	74	6	65203	http://dx.doi.org/10.1088/1572-9494/ac6dc7
24	Combined analysis of the Z(c)(3900) and the Z(cs)(3985) exotic states	Du, Meng-Lin; Albaladejo, Miguel; Guo, Feng-Kun; Nieves, Juan	PHYSICAL REVIEW D	2022	105	7	74018	http://dx.doi.org/10.1103/PhysRevD.105.074018
25	Comments on all-loop constraints for scattering amplitudes and Feynman integrals	He, Song; Li, Zhenjie; Yang, Qinglin	JOURNAL OF HIGH ENERGY PHYSICS	2022		1	73	http://dx.doi.org/10.1007/JHEP01(2022)073
26	Comments on all-loop constraints for scattering amplitudes and Feynman integrals (vol 01, 073, 2022)	He, Song; Li, Zhenjie; Yang, Qinglin	JOURNAL OF HIGH ENERGY PHYSICS	2022		5	76	http://dx.doi.org/10.1007/JHEP05(2022)076
27	Competing Vortex Topologies in Iron-Based Superconductors br	Hu, Lun-Hui; Wu, Xianxin; Liu, Chao-Xing; Zhang, Rui-Xing	PHYSICAL REVIEW LETTERS	2022	129	27	277001	http://dx.doi.org/10.1103/PhysRevLett.129.277001
28	Confronting the primordial black hole scenario with the gravitational-wave events detected by LIGO-Virgo	Chen, Zu-Cheng; Yuan, Chen; Huang, Qing-Guo	PHYSICS LETTERS B	2022	829		137040	http://dx.doi.org/10.1016/j.physletb.2022.137040

29	Consistent explanation for the cosmic-ray positron excess in p-wave Breit-Wigner enhanced dark matter annihilation	Ding, Yu-Chen; Ku, Yu-Lin; Wei, Chun-Cheng; Zhou, Yu-Feng	EUROPEAN PHYSICAL JOURNAL C	2022	82	2	126	http://dx.doi.org/10.1140/epjc/s10052-022-10048-y
30	Constraining CP-phases in SUSY: An interplay of muon/electron g-2 and electron EDM	Li, Song; Xiao, Yang; Yang, Jin Min	NUCLEAR PHYSICS B	2022	974		115629	http://dx.doi.org/10.1016/j.nuclphysb.2021.115629
31	Constraining low-scale flavor models with (g-2)(mu) and lepton flavor violation	Lopez-Ibanez, M. L.; Melis, Aurora; Jay Perez, M.; Rahat, Moinul Hossain; Vives, Oscar	PHYSICAL REVIEW D	2022	105	3	35021	http://dx.doi.org/10.1103/PhysRevD.105.035021
32	Constraining the number of horizons with energy conditions	Yang, Run-Qiu; Cai, Rong-Gen; Li, Li	CLASSICAL AND QUANTUM GRAVITY	2022	39	3	35005	http://dx.doi.org/10.1088/1361-6382/ac4118
33	Constraining the Polarization of Gravitational Waves with the Parkes Pulsar Timing Array Second Data Release	Wu, Yu-Mei; Chen, Zu-Cheng; Huang, Qing-Guo	ASTROPHYSICAL JOURNAL	2022	925	1	37	http://dx.doi.org/10.3847/1538-4357/ac35cc
34	Constraining time dependent dark matter signals from the Sun	Zakeri, Mohammadreza; Zhou, Yu-Fen	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2022		4	JCAP04	http://dx.doi.org/10.1088/1475-7516/2022/04/026
35	Constraining ultralight vector dark matter with the Parkes Pulsar Timing Array second data release	Wu, Yu-Mei; Chen, Zu-Cheng; Huang, Qing-Guo; Zhu, Xingjiang; Bhat, N. D. Ramesh; Feng, Yi; Hobbs, George; Manchester, Richard N.; Russell, Christopher J.; Shannon, R. M.	PHYSICAL REVIEW D	2022	106	8	L081101	http://dx.doi.org/10.1103/PhysRevD.106.L081101
36	Constraints on an ultralight scalar boson from Advanced LIGO and Advanced Virgo's first three observing runs using the stochastic gravitational-wave background	Yuan, Chen; Jiang, Yang; Huang, Qing-Guo	PHYSICAL REVIEW D	2022	106	2	23020	http://dx.doi.org/10.1103/PhysRevD.106.023020
37	Constructing generic effective field theory for all masses and spins	Dong, Zi-Yu; Ma, Teng; Shu, Jing; Zheng, Yu-Hui	PHYSICAL REVIEW D	2022	106	11	116010	http://dx.doi.org/10.1103/PhysRevD.106.116010
38	Constructing generic effective field theory for all masses and spins	Dong, Zi-Yu; Ma, Teng; Shu, Jing; Zheng, Yu-Hui	PHYSICAL REVIEW D	2022	106	11	116010	http://dx.doi.org/10.1103/PhysRevD.106.116010
39	Control of quantum dynamics: non-Markovianity and speedup of a massive particle evolution due to gravity	Wang, Qi; Xu, Kai; Yan, Wei-Bin; Zhang, Ying-Jie; Man, Zhong-Xiao; Xia, Yun-Jie; Fan, Heng	EUROPEAN PHYSICAL JOURNAL C	2022	82	8	729	http://dx.doi.org/10.1140/epjc/s10052-022-10700-7
40	Correlated continuous-time random walk with stochastic resetting	Zhang, Caiyun; Hu, Yuhang; Liu, Jian	JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT	2022	2022	9	93205	http://dx.doi.org/10.1088/1742-5468/ac8c8e
41	Cosmic inflation from broken conformal symmetry	Cai, Rong-Gen; Hao, Yu-Shi; Wang, Shao-Jiang	COMMUNICATIONS IN THEORETICAL PHYSICS	2022	74	9	95401	http://dx.doi.org/10.1088/1572-9494/ac6b2f
42	Cosmological phase transitions, gravitational waves and self-interacting dark matter in the singlet extension of MSSM	Wang, Wenyu; Xie, Ke-Pan; Xu, Wu-Long; Yang, Jin Min	EUROPEAN PHYSICAL JOURNAL C	2022	82	12	1120	http://dx.doi.org/10.1140/epjc/s10052-022-11077-3
43	Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies	Abdalla, Elcio; Abellan, Guillermo Franco; etc.	JOURNAL OF HIGH ENERGY ASTROPHYSICS	2022	34		49-211	http://dx.doi.org/10.1016/j.jheap.2022.04.002
44	Coupled channel effects for the charmed-strange mesons	Hao, Wei; Lu, Yu; Zou, Bing-Song	PHYSICAL REVIEW D	2022	106	7	74014	http://dx.doi.org/10.1103/PhysRevD.106.074014
45	Coupled-channel approach to T-cc(+) including three-body effects	Du, Meng-Lin; Baru, Vadim; Dong, Xiang-Kun; Filin, Arseniy; Guo, Feng-Kun; Hanhart, Christoph; Nefediev, Alexey; Nieves, Juan; Wang, Qian	PHYSICAL REVIEW D	2022	105	1	14024	http://dx.doi.org/10.1103/PhysRevD.105.014024
46	Critical Phenomena in Dynamical Scalarization of Charged Black Holes	Zhang, Cheng-Yong; Chen, Qian; Liu, Yunqi; Luo, Wen-Kun; Tian, Yu; Wang, Bin	PHYSICAL REVIEW LETTERS	2022	128	16	161105	http://dx.doi.org/10.1103/PhysRevLett.128.161105
47	Cycle-tree guided attack of random K-core: Spin glass model and efficient message-passing algorithm	Zhou, Hai-Jun	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2022	65	3	230511	http://dx.doi.org/10.1007/s11433-021-1845-6
48	D+D- hadronic atom and its production in pp and p(p)over-bar collisions	Shi, Pan-Pan; Zhang, Zhen-Hua; Guo, Feng-Kun; Yang, Zhi	PHYSICAL REVIEW D	2022	105	3	34024	http://dx.doi.org/10.1103/PhysRevD.105.034024
49	Dark fluxes from accreting black holes through several mechanisms	Cai, Rong-Gen; Sun, Sichun; Zhang, Bing; Zhang, Yun-Long	EUROPEAN PHYSICAL JOURNAL C	2022	82	3	245	http://dx.doi.org/10.1140/epjc/s10052-022-10173-8
50	Dark matter production in Weyl R-2 inflation	Wang, Qing-Yang; Tang, Yong; Wu, Yue-Liang	PHYSICAL REVIEW D	2022	106	2	23502	http://dx.doi.org/10.1103/PhysRevD.106.023502
51	Deciphering the maximal transcendentality principle via bootstrap	Guo, Yuanhong; Jin, Qingjun; Wang, Lei; Yang, Gang	JOURNAL OF HIGH ENERGY PHYSICS	2022		9	161	http://dx.doi.org/10.1007/JHEP09(2022)161
52	Deep learning jet images as a probe of light Higgsino dark matter at the LHC	Lv, Huifang; Wang, Daohan; Wu, Lei	PHYSICAL REVIEW D	2022	106	5	55008	http://dx.doi.org/10.1103/PhysRevD.106.055008

53	Deformed relativistic Hartree-Bogoliubov theory in continuum with a point-coupling functional. II. Examples of odd Nd isotopes	Pan, Cong; Cheoun, Myung-Ki; etc. Sun, Xiang-Xiang; Wu, Jiawei; Wu, Xinhui; Xia, Xuewei; Yan, Yijun; Yiu, To Chung; Zhang, Kaiyuan; Zhang, Shuangquan; Zhang, Wei; Zhang, Xiaoyan; Zhao, Qiang; Zheng, Ruyou; Zhou, Shan-Gui	PHYSICAL REVIEW C	2022	106	1	14316	http://dx.doi.org/10.1103/PhysRevC.106.014316
54	Dependence of the amplitude of gravitational waves from preheating on the inflationary energy scale	Cai, Rong-Gen; Ding, Pei-Ze; Guo, Zong-Kuan; Fu, Chengjie; Liu, Jing	PHYSICAL REVIEW D	2022	105	2	23507	http://dx.doi.org/10.1103/PhysRevD.105.023507
55	Detection of early-universe gravitational-wave signatures and fundamental physics	Caldwell, Robert; Cui, Yanou; Guo, Huai-Ke; Mandic, Vuk; Mariotti, Alberto; No, Jose Miguel; Ramsey-Musolf, Michael J.; Sakellariadou, Mairi; Sinha, Kuver; Wang, Lian-Tao; White, Graham; Zhao, Yue; An, Haipeng; Bian, Ligong; Caprini, Chiara; Clesse, Sebastien; Cline, James M.; Cusin, Giulia; Fornal, Bartosz; Jinno, Ryusuke; Laurent, Benoit; Levi, Noam; Lyu, Kun-Feng; Martinez, Mario; Miller, Andrew L.; Redigolo, Diego; Scarlata, Claudia; Sevrin, Alexander; Haghi, Barmak Shams Es; Shu, Jing; Siemens, Xavier; Steer, Daniele A.; Sundrum, Raman; Tamarit, Carlos; Weir, David J.; Xie, Ke-Pan; Yang, Feng-Wei; Zhou, Siyi	GENERAL RELATIVITY AND GRAVITATION	2022	54	12	156	http://dx.doi.org/10.1007/s10714-022-03027-x
56	Diagnosing topological phase transitions in 1D superconductors using Berry singularity markers	Kotetes, Panagiotis	JOURNAL OF PHYSICS-CONDENSED MATTER	2022	34	17	174003	http://dx.doi.org/10.1088/1361-648X/ac4f1e
57	Diagnosis of pairing symmetry by vortex and edge spectra in kagome superconductors	Ding, Peize; Lee, Ching Hua; Wu, Xianxin; Thomale, Ronny	PHYSICAL REVIEW B	2022	105	17	174518	http://dx.doi.org/10.1103/PhysRevB.105.174518
58	Dynamical transitions in scalarization and descalarization through black hole accretion	Zhang, Cheng-Yong; Chen, Qian; Liu, Yunqi; Luo, Wen-Kun; Tian, Yu; Wang, Bin	PHYSICAL REVIEW D	2022	106	6	L061501	http://dx.doi.org/10.1103/PhysRevD.106.L061501
59	Effective range expansion for narrow near-threshold resonances	Baru, Vadim; Dong, Xiang-Kun; Du, Meng-Lin; Filin, Arseniy; Guo, Feng-Kun; Hanhart, Christoph; Nefediev, Alexey; Nieves, Juan; Wang, Qian	PHYSICS LETTERS B	2022	833		137290	http://dx.doi.org/10.1016/j.physletb.2022.137290
60	Effects of the phi Meson on the Properties of Hyperon Stars in the Density-dependent Relativistic Mean Field Model	Tu, Zhong-Hao; Zhou, Shan-Gui	ASTROPHYSICAL JOURNAL	2022	925	1	16	http://dx.doi.org/10.3847/1538-4357/ac3996
61	Effects of the tensor force on low-energy heavy-ion fusion reactions: a mini review	Sun, Xiang-Xiang; Guo, Lu	COMMUNICATIONS IN THEORETICAL PHYSICS	2022	74	9	97302	http://dx.doi.org/10.1088/1572-9494/ac7e28
62	Elastically-mediated collective organisation of magnetic microparticles	Junot, Gaspard; Wei, Xuefeng; Ortin, Jordi; Golestanian, Ramin; Wang, Yanting; Tierno, Pietro; Meng, Fanlong	SOFT MATTER	2022	18	28	5171-5176	http://dx.doi.org/10.1039/d2sm00565d
63	Electroweak phase transition and gravitational waves in the type-II seesaw model	Zhou, Ruiyu; Bian, Ligong; Du, Yong	JOURNAL OF HIGH ENERGY PHYSICS	2022		8	205	http://dx.doi.org/10.1007/JHEP08(2022)205
64	Electroweak phase transition in 2HDM under Higgs, Z-pole, and W precision measurements	Song, Huayang; Su, Wei; Zhang, Mengchao	JOURNAL OF HIGH ENERGY PHYSICS	2022		10	48	http://dx.doi.org/10.1007/JHEP10(2022)048
65	Electroweak phase transition triggered by fermion sector	Cao, Qing-Hong; Hashino, Katsuya; Li, Xu-Xiang; Ren, Zhe; Yu, Jiang-Hao	JOURNAL OF HIGH ENERGY PHYSICS	2022		1	1	http://dx.doi.org/10.1007/JHEP01(2022)001
66	Electroweak radiative corrections in precision LHC measurements of W-+/-/Z(0)+jets	Darvishi, Neda; Masouminia, M. R.	NUCLEAR PHYSICS B	2022	985		116025	http://dx.doi.org/10.1016/j.nuclphysb.2022.116025
67	Enhanced Higgs pair production from higgsino decay at the HL-LHC	Dai, Jianpeng; Liu, Tao; Wang, Daohan; Yang, Jin Min	NUCLEAR PHYSICS B	2022	983		115912	http://dx.doi.org/10.1016/j.nuclphysb.2022.115912
68	Enhancing photon entanglement in a three-mode optomechanical system via imperfect phonon measurements	Qiu, Jing; Chen, Dongni; Wang, Ying-Dan; Chesi, Stefano	COMMUNICATIONS IN THEORETICAL PHYSICS	2022	74	5	55105	http://dx.doi.org/10.1088/1572-9494/ac64f4
69	Ensemble of deep convolutional neural networks for real-time gravitational wave signal recognition	Ma, CunLiang; Wang, Wei; Wang, He; Cao, Zhoujian	PHYSICAL REVIEW D	2022	105	8	83013	http://dx.doi.org/10.1103/PhysRevD.105.083013
70	Establishing the heavy quark spin and light flavor molecular multiplets of the X(3872), Z(c)(3900), and X(3960) br	Ji, Teng; Dong, Xiang-Kun; Albaladejo, Miguel; Du, Meng-Lin; Guo, Feng-Kun; Nieves, Juan	PHYSICAL REVIEW D	2022	106	9	94002	http://dx.doi.org/10.1103/PhysRevD.106.094002

71	Evaluating Lyman-alpha constraints for general dark-matter velocity distributions: Multiple scales and cautionary tales	Dienes, Keith R.; Huang, Fei; Kost, Jeff; Thomas, Brooks; Yu, Hai-Bo	PHYSICAL REVIEW D	2022	106	12	123521	http://dx.doi.org/10.1103/PhysRevD.106.123521
72	Examining the impact of alpha-decay energies on the odd-even staggering in half-lives: alpha-decay spectroscopy of 207-209Ac	Yang, H. B.; Gan, Z. G.; Zhang, Z. Y.; Huang, M. H.; Ma, L.; Zhang, M. M.; Yang, C. L.; Tian, Y. L.; Wang, Y. S.; Zhou, H. B.; Wen, X. J.; Wang, J. G.; Zhao, Z.; Xu, S. Y.; Chen, L. X.; Huang, X. Y.; Yuan, C. X.; Niu, Y. F.; Yang, H. R.; Huang, W. X.; Liu, Z.; Zhou, X. H.; Zhang, Y. H.; Zhou, S. G.; Ren, Z. Z.; Xu, H. S.; Utyonkov, V. K.; Voinov, A. A.; Tsyganov, Yu. S.; Polyakov, A. N.; Solovyev, D. I.	PHYSICAL REVIEW C	2022	106	6	64311	http://dx.doi.org/10.1103/PhysRevC.106.064311
73	Exciton Proliferation and Fate of the Topological Mott Insulator in a Twisted Bilayer Graphene Lattice Model	Lin, Xiyue; Chen, Bin-Bin; Li, Wei; Meng, Zi Yang; Shi, Tao	PHYSICAL REVIEW LETTERS	2022	128	15	157201	http://dx.doi.org/10.1103/PhysRevLett.128.157201
74	Explanation of electron and muon g-2 anomalies in AMSB	Li, Song; Li, Zhuang; Wang, Fei; Yang, Jin Min	NUCLEAR PHYSICS B	2022	983		115927	http://dx.doi.org/10.1016/j.nuclphysb.2022.115927
75	Exploring SMEFT induced nonstandard interactions: From COHERENT to neutrino oscillations	Du, Yong; Li, Hao-Lin; Tang, Jian; Vihonen, Sampsa; Yu, Jiang-Hao	PHYSICAL REVIEW D	2022	105	7	75022	http://dx.doi.org/10.1103/PhysRevD.105.075022
76	Femtoscopic study of coupled-channels N Xi and Lambda Lambda interactions	Kamiya, Y.; Sasaki, K.; Fukui, T.; Hyodo, T.; Morita, K.; Ogata, K.; Ohnishi, A.; Hatsuda, T.	PHYSICAL REVIEW C	2022	105	1	14915	http://dx.doi.org/10.1103/PhysRevC.105.014915
77	Field-controlling patterns of sheared ferrofluid droplets	Ishida, Shunichi; Yang, Yaochen; Meng, Fanlong; Matsunaga, Daiki	PHYSICS OF FLUIDS	2022	34	6	63309	http://dx.doi.org/10.1063/5.0094415
78	Fine structure in the a decay of the 8(+) isomer in U-216,U-218	Zhang, M. M.; Tian, Y. L.; Wang, Y. S.; Zhang, Z. Y.; Gan, Z. G.; Yang, H. B.; Huang, M. H.; Ma, L.; Yang, C. L.; Wang, J. G.; Yuan, C. X.; Qi, C.; Andreyev, A. N.; Huang, X. Y.; Xu, S. Y.; Zhao, Z.; Chen, L. X.; Wang, J. Y.; Liu, M. L.; Qiang, Y. H.; Li, G. S.; Yang, W. Q.; Chen, R. F.; Zhang, H. B.; Lu, Z. W.; Xu, X. X.; Duan, L. M.; Yang, H. R.; Huang, W. X.; Liu, Z.; Zhou, X. H.; Zhang, Y. H.; Xu, H. S.; Wang, N.; Zhou, H. B.; Wen, X. J.; Huang, S.; Hua, W.; Zhu, L.; Wang, X.; Mao, Y. C.; He, X. T.; Wang, S. Y.; Xu, W. Z.; Li, H. W.; Niu, Y. F.; Guo, L.; Ren, Z. Z.; Zhou, S. G.	PHYSICAL REVIEW C	2022	106	2	24305	http://dx.doi.org/10.1103/PhysRevC.106.024305
79	Finite temperature mean-field theory with intrinsic non-Hermitian structures for Bose gases in optical lattices	He, Liang; Yi, Su	NEW JOURNAL OF PHYSICS	2022	24	2	23035	http://dx.doi.org/10.1088/1367-2630/ac5373
80	First evidence of an octupole rotational band in Ge isotopes	Wang, C. G.; Han, R.; Xu, C.; Hua, H.; Bark, R. A.; Zhang, S. Q.; Wang, S. Y.; Shneidman, T. M.; Zhou, S. G.; Meng, J.; Wyngaardt, S. M.; Dai, A. C.; Xu, F. R.; Li, X. Q.; Li, Z. H.; Ye, Y. L.; Jiang, D. X.; Li, C. G.; Niu, C. Y.; Chen, Z. Q.; Wu, H. Y.; Luo, D. W.; Wang, S.; Sun, D. P.; Liu, C.; Li, Z. Q.; Zhang, N. B.; Guo, R. J.; Jones, P.; Lawrie, E. A.; Lawrie, J. J.; Sharpey-Schafer, J. F.; Wiedeking, M.; Majola, S. N. T.; Bucher, T. D.; Dinoko, T.; Maqabuka, B.; Makhathini, L.; Mdletshe, L.; Shirinda, O.; Sowazi, K.	PHYSICAL REVIEW C	2022	106	1	L011303	http://dx.doi.org/10.1103/PhysRevC.106.L011303
81	First lattice QCD calculation of semileptonic decays of charmed-strange baryons Xi(c)	Zhang, Qi-An; Hua, Jun; Huang, Fei; Li, Renbo; Li, Yuanyuan; Lu, Caidian; Sun, Peng; Sun, Wei; Wang, Wei; Yang, Yibo	CHINESE PHYSICS C	2022	46	1	11002	http://dx.doi.org/10.1088/1674-1137/ac2b12
82	First principle study of gravitational pressure and thermodynamic8s of FRW universe	Abdusattar, Haximjan; Kong, Shi-Bei; You, Wen-Long; Zhang, Hongsheng; Hu, Ya-Peng	JOURNAL OF HIGH ENERGY PHYSICS	2022		12	168	http://dx.doi.org/10.1007/JHEP12(2022)168

83	First principle study of gravitational pressure and thermodynamics of FRW universe	Abdusattar, Haximjan; Kong, Shi-Bei; You, Wen-Long; Zhang, Hongsheng; Hu, Ya-Peng	JOURNAL OF HIGH ENERGY PHYSICS	2022		12	168	http://dx.doi.org/10.1007/JHEP12(2022)168
84	First-Principles Study of Hole-Doped Superconductors RNiO2 (R = Nd, La, and Pr)	Hao, Juan-Juan; Sun, Pei-Han; Zhang, Ming; Wu, Xian-Xin; Liu, Kai; Yang, Fan	CHINESE PHYSICS LETTERS	2022	39	6	67402	http://dx.doi.org/10.1088/0256-307X/39/6/067402
85	Flexible learning of quantum states with generative query neural networks	Zhu, Yan; Wu, Ya-Dong; Bai, Ge; Wang, Dong-Sheng; Wang, Yuexuan; Chiribella, Giulio	NATURE COMMUNICATIONS	2022	13	1	6222	http://dx.doi.org/10.1038/s41467-022-33928-z
86	Fluctuation assisted collapses of Bose-Einstein condensates	Pan, Junqiao; Wang, Yuqi; Shi, Tao; Yi, Su	COMMUNICATIONS IN THEORETICAL PHYSICS	2022	74	9	95701	http://dx.doi.org/10.1088/1572-9494/ac60fb
87	Four-family N=1 supersymmetric Pati-Salam models from intersecting D6-branes	Li, Tianjun; Sun, Rui; Zhang, Chi	COMMUNICATIONS IN THEORETICAL PHYSICS	2022	74	6	65201	http://dx.doi.org/10.1088/1572-9494/ac6747
88	Fragmentation functions for gluon into B-c or B-c* meson	Zheng, Xu-Chang; Chang, Chao-Hsi; Wu, Xing-Gang	JOURNAL OF HIGH ENERGY PHYSICS	2022		5	36	http://dx.doi.org/10.1007/JHEP05(2022)036
89	Full-color three-loop three-point form factors in N=4 SYM	Lin, Guanda; Yang, Gang; Zhang, Siyuan	JOURNAL OF HIGH ENERGY PHYSICS	2022		3	61	http://dx.doi.org/10.1007/JHEP03(2022)061
90	Gauge/Bethe correspondence from quiver BPS algebras	Galakhov, Dmitry; Li, Wei; Yamazaki, Masahito	JOURNAL OF HIGH ENERGY PHYSICS	2022		11	119	http://dx.doi.org/10.1007/JHEP11(2022)119
91	Generalization of Weinberg's compositeness relations	Li, Yan; Guo, Feng-Kun; Pang, Jin-Yi; Wu, Jia-Jun	PHYSICAL REVIEW D	2022	105	7	L071502	http://dx.doi.org/10.1103/PhysRevD.105.L071502
92	Generalized parton distributions of sea quarks in the proton from nonlocal chiral effective theory	He, Fangcheng; Ji, Chueng-Ryong; Melnitchouk, W.; Thomas, A. W.; Wang, P.	PHYSICAL REVIEW D	2022	106	5	54006	http://dx.doi.org/10.1103/PhysRevD.106.054006
93	Generating enhanced primordial GWs during inflation with intermittent violation of NEC and diminishment of GW propagating speed	Cai, Yong; Piao, Yun-Song	JOURNAL OF HIGH ENERGY PHYSICS	2022		6	67	http://dx.doi.org/10.1007/JHEP06(2022)067
94	Generation of gravitational waves in dynamical Chern-Simons gravity	Peng, Zhi-Zhang; Zeng, Zhen-Min; Fu, Chengjie; Guo, Zong-Kuan	PHYSICAL REVIEW D	2022	106	12	124044	http://dx.doi.org/10.1103/PhysRevD.106.124044
95	Generic no-scale inflation inspired from string theory compactifications	Wu, Lina; Li, Tianjun	PHYSICAL REVIEW D	2022	106	4	43514	http://dx.doi.org/10.1103/PhysRevD.106.043514
96	Generic U(1)(X) models inspired from SO(10)	Li, Tianjun; Xiang, Qianfei; Yin, Xiangwei; Zhou, Han	PHYSICAL REVIEW D	2022	106	7	75010	http://dx.doi.org/10.1103/PhysRevD.106.075010
97	Geometric manipulation of a decoherence-free subspace in atomic ensembles	Chen, Dongni; Luo, Si; Wang, Ying-Dan; Chesi, Stefano; Choi, Mahn-Soo	PHYSICAL REVIEW A	2022	105	2	22627	http://dx.doi.org/10.1103/PhysRevA.105.022627
98	Global fits of SUSY at future Higgs factories.	Athron, Peter; Balazs, Csaba; Fowlie, Andrew; Lv, Huifang; Su, Wei; Wu, Lei; Yang, Jin Min; Zhang, Yang	PHYSICAL REVIEW D	2022	105	11	115029	http://dx.doi.org/10.1103/PhysRevD.105.115029
99	Gluonic evanescent operators: classification and one-loop renormalization	Jin, Qingjun; Ren, Ke; Yang, Gang; Yu, Rui	JOURNAL OF HIGH ENERGY PHYSICS	2022		8	141	http://dx.doi.org/10.1007/JHEP08(2022)141
100	Gradient nano-grained graphene as 2D thermal rectifier: A molecular dynamics based machine learning study	Xu, Ke; Liang, Ting; Fu, Yuequn; Wang, Zhen; Fan, Zheyong; Wei, Ning; Xu, Jianbin; Zhang, Zhisen; Wu, Jianyang	APPLIED PHYSICS LETTERS	2022	121	13	133501	http://dx.doi.org/10.1063/5.0108746
101	Helicity-dependent distribution of strange quarks in the proton from nonlocal chiral effective theory	He, Fangcheng; Ji, Chueng-Ryong; Melnitchouk, W.; Salamu, Y.; Thomas, A. W.; Wang, P.; Wang, X. G.	PHYSICAL REVIEW D	2022	105	9	94007	http://dx.doi.org/10.1103/PhysRevD.105.094007
102	Holographic Abrikosov lattice: Vortex matter from black hole	Xia, Chuan-Yin; Zeng, Hua-Bi; Tian, Yu; Chen, Chiang-Mei; Zaanen, Jan	PHYSICAL REVIEW D	2022	105	2	L021901	http://dx.doi.org/10.1103/PhysRevD.105.L021901
103	Hubble parameter estimation via dark sirens with the LISA-Taiji network	Wang, Renjie; Ruan, Wen-Hong; Yang, Qing; Guo, Zong-Kuan; Cai, Rong-Gen; Hu, Bin	NATIONAL SCIENCE REVIEW	2022	9	2	nwab054	http://dx.doi.org/10.1093/nsr/nwab054
104	Impact of tensor force on quantum shell effects in quasifission reactions	Li, Liang; Guo, Lu; Godbey, K.; Umar, A. S.	PHYSICS LETTERS B	2022	833		137349	http://dx.doi.org/10.1016/j.physletb.2022.137349
105	Improved constraints on primordial gravitational waves in light of the H-0 tension and BICEP/Keck data	Ye, Gen; Piao, Yun-Song	PHYSICAL REVIEW D	2022	106	4	43536	http://dx.doi.org/10.1103/PhysRevD.106.043536
106	Inside anisotropic black hole with vector hair	Cai, Rong-Gen; Ge, Chenghu; Li, Li; Yang, Run-Qiu	JOURNAL OF HIGH ENERGY PHYSICS	2022		2	139	http://dx.doi.org/10.1007/JHEP02(2022)139
107	Instability in charged Gauss-Bonnet-de Sitter black holes	Cai, Rong-Gen; Li, Li; Sun, Hao-Tian	PHYSICAL REVIEW D	2022	105	6	64032	http://dx.doi.org/10.1103/PhysRevD.105.064032
108	Interacting ud and uds quark matter at finite densities and quark stars	Yuan, Wen-Li; Li, Ang; Miao, Zhiqiang; Zuo, Bingjun; Bai, Zhan	PHYSICAL REVIEW D	2022	105	12	123004	http://dx.doi.org/10.1103/PhysRevD.105.123004

109	Interior structure and complexity growth rate of holographic superconductor from M-theory	An, Yu-Sen; Li, Li; Yang, Fu-Guo; Yang, Run-Qiu	JOURNAL OF HIGH ENERGY PHYSICS	2022		8	133	http://dx.doi.org/10.1007/JHEP08(2022)133
110	Interpretation of the eta(1) (1855) as a KK1(1400) + c.c. molecule	Dong, Xiang-Kun; Lin, Yong-Hui; Zou, Bing-Song	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2022	65	6	261011	http://dx.doi.org/10.1007/s11433-022-1887-5
111	Interpretations of the new LHCb P-c(4337)(+) pentaquark state	Yan, Mao-Jun; Peng, Fang-Zheng; Sanchez, Mario Sanchez; Valderrama, Manuel Pavon	EUROPEAN PHYSICAL JOURNAL C	2022	82	6	574	http://dx.doi.org/10.1140/epjc/s10052-022-10522-7
112	Investigation of a kind of neutrino mass matrix	Huang, Chao-Shang; Li, Wen-Jun	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	2022	49	6	65002	http://dx.doi.org/10.1088/1361-6471/ac58b2
113	Joint explanation of W-mass and muon g-2 in the 2HDM	Han, Xiao-Fang; Wang, Fei; Wang, Lei; Yang, Jin-Min; Zhang, Yang	CHINESE PHYSICS C	2022	46	10	103105	http://dx.doi.org/10.1088/1674-1137/ac7c63
114	Kinematic numerators from the worldsheet: cubic trees from labelled trees (vol 08, 118, 2021)	He, Song; Hou, Linghui; Tian, Jintian; Zhang, Yong	JOURNAL OF HIGH ENERGY PHYSICS	2022		6	37	http://dx.doi.org/10.1007/JHEP06(2022)037
115	Lateral predictive coding revisited: internal model, symmetry breaking, and response time	Huang, Zhen-Ye; Fan, Xin-Yi; Zhou, Jianwen; Zhou, Hai-Jun	COMMUNICATIONS IN THEORETICAL PHYSICS	2022	74	9	95601	http://dx.doi.org/10.1088/1572-9494/ac7c03
116	Lattice study of the two-photon decay widths for scalar and pseudo-scalar charmonium (vol 44, 083108, 2020)	Chen, Ying; Gong, Ming; Li, Ning; Liu, Chuan; Liu, Yu-Bin; Liu, Zhaofeng; Ma, Jian-Ping; Meng, Yu; Xiong, Chao; Zhang, Ke-Long	CHINESE PHYSICS C	2022	46	5	59001	http://dx.doi.org/10.1088/1674-1137/ac4bcd
117	Leptogenesis from low-energy CP violation in minimal left-right symmetric model	Zhang, Xinyi; Yu, Jiang-Hao; Ma, Bo-Qiang	NUCLEAR PHYSICS B	2022	976		115670	http://dx.doi.org/10.1016/j.nuclphysb.2022.115670
118	Lepton number violating electron recoils in a U (1)(B-L) model with non-standard interactions	Lin, Yugen; Gao, Yu; Li, Tianjun	NUCLEAR PHYSICS B	2023	986		116040	http://dx.doi.org/10.1016/j.nuclphysb.2022.116040
119	Lifshitz transition enhanced triplet p(z)-wave superconductivity in hydrogen-doped KCr3As3	Zhang, Ming; Hao, Juan-Juan; Wu, Xianxin; Yang, Fan	PHYSICAL REVIEW B	2022	105	13	134509	http://dx.doi.org/10.1103/PhysRevB.105.134509
120	Logarithmic correction to black hole entropy from the nonlocality of quantum gravity	Xiao, Yong; Tian, Yu	PHYSICAL REVIEW D	2022	105	4	44013	http://dx.doi.org/10.1103/PhysRevD.105.044013
121	Low Energy Supersymmetry Confronted with Current Experiments: An Overview	Wang, Fei; Wang, Wenyu; Yang, Jinmin; Zhang, Yang; Zhu, Bin	UNIVERSE	2022	8	3	178	http://dx.doi.org/10.3390/universe8030178
122	Low energy SUSY confronted with new measurements of W-boson mass and muon g-2	Yang, Jin-Min; Zhang, Yang	SCIENCE BULLETIN	2022	67	14	1430-1436	http://dx.doi.org/10.1016/j.scib.2022.06.007
123	Machine learning glass caging order parameters with an artificial nested neural network	Zhang, Kaihua; Li, Xinyang; Jin, Yuliang; Jiang, Ying	SOFT MATTER	2022	18	33	6270-6277	http://dx.doi.org/10.1039/d2sm00310d
124	Majorana braiding racetracks from charge Chern insulator-superconductor hybrids	Wang, Jun-Ang; Zhou, Sen; Kotetes, Panagiotis	PHYSICAL REVIEW B	2022	105	4	1-18	http://dx.doi.org/10.1103/PhysRevB.105.045423
125	Manipulated deformation of lipid bilayer vesicles in magnetic fields	Shu, Yao-Gen; Ou-Yang, Zhong-Can	LIQUID CRYSTALS					http://dx.doi.org/10.1080/02678292.2022.2154866
126	Mass spectra, wave functions and mixing effects of the (bcq) baryons	Li, Qiang; Chao-Hsi Chang; Si-Xue Qin; Guo-Li Wang	EUROPEAN PHYSICAL JOURNAL C	2022	82	1	60	http://dx.doi.org/10.1140/epjc/s10052-022-10006-8
127	Matter effects of sterile neutrino in light of renormalization-group equations	Zeng, Shuge; Xu, Fanrong	JOURNAL OF HIGH ENERGY PHYSICS	2022		9	29	http://dx.doi.org/10.1007/JHEP09(2022)029
128	Measuring the Modified Gravitational Wave Propagation beyond General Relativity from CMB Observations	Li, Jun	UNIVERSE	2022	8	7	367	http://dx.doi.org/10.3390/universe8070367
129	Measuring the primordial gravitational waves from cosmic microwave background and stochastic gravitational wave background observations	Li, Jun; Guo, Guang-Hai	MODERN PHYSICS LETTERS A	2022	37	10	2250066	http://dx.doi.org/10.1142/S0217732322500663
130	Microscopic study of compound-nucleus formation in cold-fusion reactions	Sun, Xiang-Xiang; Guo, Lu	PHYSICAL REVIEW C	2022	105	5	54610	http://dx.doi.org/10.1103/PhysRevC.105.054610
131	Microscopic study of higher-order deformation effects on the ground states of superheavy nuclei around (270)Hs	Wang, Xiao-Qian; Sun, Xiang-Xiang; Zhou, Shan-Gui	CHINESE PHYSICS C	2022	46	2	24107	http://dx.doi.org/10.1088/1674-1137/ac3904
132	Microscopic study of the fusion reactions Ca-40,Ca-48+Ni-78 and the effect of the tensor force	Sun, Xiang-Xiang; Guo, Lu; Umar, A. S.	PHYSICAL REVIEW C	2022	105	3	34601	http://dx.doi.org/10.1103/PhysRevC.105.034601
133	Modelling drying pathways of an evaporating soft matter droplet	Du, Guangle; Ye, Fangfu; Luo, Hao; Jing, Guangyin; Doi, Masao; Meng, Fanlong	COMMUNICATIONS IN THEORETICAL PHYSICS	2022	74	9	95605	http://dx.doi.org/10.1088/1572-9494/ac58ef
134	Molecular Dynamics Simulation of the Structural, Mechanical, and Reprocessing Properties of Vitrimers Based on a Dynamic Covalent Polymer Network	Zhao, Hengheng; Wei, Xuefeng; Fang, Yue; Gao, Ke; Yue, Tongkui; Zhang, Liqun; Ganesan, Venkat; Meng, Fanlong; Liu, Jun	MACROMOLECULES	2022	55	4	1091-1103	http://dx.doi.org/10.1021/acs.macromol.1c02034
135	Muon anomalous magnetic dipole moment in the mu nu SSM	Zhang, Hai-Bin; Liu, Chang-Xin; Yang, Jin-Lei; Feng, Tai-Fu	CHINESE PHYSICS C	2022	46	9	93107	http://dx.doi.org/10.1088/1674-1137/ac71a6

136	Muon conversion to an electron in nuclei in the B-L symmetric SSM	Zhang, Ze-Ning; Zhang, Hai -Bin; Dong, Xing -Xing; Yang, Jin-Lei; Li, Wei; Yang, Zhong-Jun; Wang, Tong-Tong; Feng, Tai -Fu	PHYSICAL REVIEW D	2022	106	3	35007	http://dx.doi.org/10.1103/PhysRevD.106.035007
137	NANOGrav hints on planet-mass primordial black holes	Domenech, Guillem; Pi, Shi	SCIENCE CHINA-PHYSICS MECHANICS &	2022	65	3	230411	http://dx.doi.org/10.1007/s11433-021-1839-6
138	Near-horizon microstructure and superradiant instabilities of black holes	Guo, Rong-Zhen; Yuan, Chen; Huang, Qing-Guo	PHYSICAL REVIEW D	2022	105	6	64029	http://dx.doi.org/10.1103/PhysRevD.105.064029
139	Network-Initialized Monte Carlo Based on Generative Neural Networks	Lu, Hongyu; Li, Chuhao; Chen, Bin-Bin; Li, Wei; Qi, Yang; Meng, Zi Yang	CHINESE PHYSICS LETTERS	2022	39	5	50701	http://dx.doi.org/10.1088/0256-307X/39/5/050701
140	Neutrino seesaw models at one-loop matching: discrimination by effective operators	Du, Yong; Li, Xu-Xiang; Yu, Jiang-Hao	JOURNAL OF HIGH ENERGY PHYSICS	2022		9	207	http://dx.doi.org/10.1007/JHEP09(2022)207
141	New isotope Th-207 and odd-even staggering in alpha-decay energies for nuclei with Z > 82 and N < 126	Yang, H. B.; Gan, Z. G; etc.; Zhou, H. B.; Wen, X. J.; Yang, H. R.; Zhou, X. H.; Zhang, Y. H.; Huang, W. X.; Liu, Z.; Zhou, S. G.; Ren, Z. Z.; Xu, H. S.; Utyonkov, V. K.; Voinov, A. A.; Tsyganov, Yu. S.; Polyakov, A. N.; Solovyev, D. I.	PHYSICAL REVIEW C	2022	105	5	L051302	http://dx.doi.org/10.1103/PhysRevC.105.L051302
142	No-go guide for the Hubble tension: Late-time solutions	Cai, Rong-Gen; Guo, Zong-Kuan; Wang, Shao-Jiang; Yu, Wang-Wei; Zhou, Yong	PHYSICAL REVIEW D	2022	105	2	L021301	http://dx.doi.org/10.1103/PhysRevD.105.L021301
143	Nonlinear elasticity, yielding, and entropy in amorphous solids	Pan, Deng; Ji, Teng; Baggioli, Matteo; Li, Li; Jin, Yuliang	SCIENCE ADVANCES	2022	8	22	eabm8028	http://dx.doi.org/10.1126/sciadv.abm8028
144	Nonlinear interaction effects in a three-mode cavity optomechanical system	Qiu, Jing; Jin, Li-Jing; Peng, Zhen-Yang; Chesi, Stefano; Wang, Ying-Dan	PHYSICAL REVIEW A	2022	105	3	33514	http://dx.doi.org/10.1103/PhysRevA.105.033514
145	Nonperturbative determination of the Collins-Soper kernel from quasitransverse-momentum-dependent wave functions	Chu, Min-Huan; Deng, Zhi-Fu; Hua, Jun; Ji, Xiangdong; Schaefer, Andreas; Su, Yushan; Sun, Peng; Wang, Wei; Yang, Yi-Bo; Zeng, Jun; Zhang, Jialu; Zhang, Jian-Hui; Zhang, Qi-An	PHYSICAL REVIEW D	2022	106	3	34509	http://dx.doi.org/10.1103/PhysRevD.106.034509
146	Nuclear 0 nu 2 beta decays in B-L symmetric SUSY model and in TeV scale left right symmetric model	Yang, Jin-Lei; Chang, Chao-Hsi; Feng, Tai-Fu	COMMUNICATIONS IN THEORETICAL PHYSICS	2022	74	8	85202	http://dx.doi.org/10.1088/1572-9494/ac7781
147	Nuclear mass table in deformed relativistic Hartree-Bogoliubov theory in continuum, I: Even-even nuclei	Zhang, Kaiyuan; Cheoun, Myung-Ki; Choi, Yong-Beom; Chong, Pooi Seong; Dong, Jianmin; Dong, Zihao; Du, Xiaokai; Geng, Lisheng; Ha, Eunja; He, Xiao-Tao; Heo, Chan; Ho, Meng Chit; In, Eun Jin; Kim, Seonghyun; Kim, Youngman; Lee, Chang-Hwan; Lee, Jenny; Li, Hexuan; Li, Zhipan; Luo, Tianpeng; Meng, Jie; Mun, Myeong-Hwan; Niu, Zhongming; Pan, Cong; Papakonstantinou, Panagiota; Shang, Xinle; Shen, Caiwan; Shen, Guofang; Sun, Wei; Sun, Xiang-Xiang; Tam, Chi Kin; Tam, Chi Kin; Wang, Chen; Wang, Xingzhi; Wong, Sau Hei; Wu, Jiawei; Wu, Xinhui; Xia, Xuewei; Yan, Yijun; Yeung, Ryan Wai-Yen; Yiu, To Chung; Zhang, Shuangquan; Zhang, Wei; Zhang, Xiaoyan; Zhao, Qiang; Zhou, Shan-Gui	ATOMIC DATA AND NUCLEAR DATA TABLES	2022	144		101488	http://dx.doi.org/10.1016/j.adt.2022.101488
148	On the energy of gravitational waves	Cai, Rong-Gen; Yang, Xing-Yu; Zhao, Long	GENERAL RELATIVITY AND GRAVITATION	2022	54	8	89	http://dx.doi.org/10.1007/s10714-022-02972-x
149	One-loop correction to the enhanced curvature perturbation with local-type non-Gaussianity for the formation of primordial black holes	Meng, De-Shuang; Yuan, Chen; Huang, Qing-Guo	PHYSICAL REVIEW D	2022	106	6	63508	http://dx.doi.org/10.1103/PhysRevD.106.063508
150	One-loop diagrams with quadratic propagators from the worldsheet	Feng, Bo; He, Song; Zhang, Yong; Zhang, Yao-Qi	JOURNAL OF HIGH ENERGY PHYSICS	2022		8	240	http://dx.doi.org/10.1007/JHEP08(2022)240
151	Operators for generic effective field theory at any dimension: on-shell amplitude basis construction	Li, Hao-Lin; Ren, Zhe; Xiao, Ming-Lei; Yu, Jiang-Hao; Zheng, Yu-Hui	JOURNAL OF HIGH ENERGY PHYSICS	2022		4	140	http://dx.doi.org/10.1007/JHEP04(2022)140
152	Optical-plug-assisted spin vortex in a Rb-87 dipolar spinor Bose-Einstein condensate	Tang, Hui; Du, Peng; Jing, Lei; Yi, Su; Zhang, Wenxian	PHYSICAL REVIEW A	2022	105	6	63324	http://dx.doi.org/10.1103/PhysRevA.105.063324

153	Optimal Thresholds for Fracton Codes and Random Spin Models with Subsystem Symmetry	Song, Hao; Schoenmeier-Kromer, Janik; Liu, Ke; Viyuela, Oscar; Pollet, Lode; Martin-Delgado, M. A.	PHYSICAL REVIEW LETTERS	2022	129	23	230502	http://dx.doi.org/10.1103/PhysRevLett.129.230502
154	Optimal Thresholds for Fracton Codes and Random Spin Models with Subsystem Symmetry	Song, Hao; Schoenmeier-Kromer, Janik; Liu, Ke; Viyuela, Oscar; Pollet, Lode; Martin-Delgado, M. A.	PHYSICAL REVIEW LETTERS	2022	129	23	230502	http://dx.doi.org/10.1103/PhysRevLett.129.230502
155	Pair production of neutral Higgs particles in the B-LSSM	He, Dan; Feng, Tai-Fu; Yang, Jin-Lei; Ning, Guo-Zhu; Zhang, Hai-Bin; Dong, Xing-Xing	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	2022	49	8	85002	http://dx.doi.org/10.1088/1361-6471/ac77a8
156	Parity violation in stochastic gravitational wave background from inflation in Nieh-Yan modified teleparallel gravity	Cai, Rong-Gen; Fu, Chengjie; Yu, Wang-Wei	PHYSICAL REVIEW D	2022	105	10	103520	http://dx.doi.org/10.1103/PhysRevD.105.103520
157	Partial wave analysis for the in-hadron condensate	Qin, Pianpian; Bai, Zhan; Chen, Muyang; Qin, Si-xue	PHYSICAL REVIEW D	2022	106	3	34006	http://dx.doi.org/10.1103/PhysRevD.106.034006
158	Perturbative calculations of gravitational form factors at large momentum transfer	Tong, Xuan-Bo; Ma, Jian-Ping; Yuan, Feng	JOURNAL OF HIGH ENERGY PHYSICS	2022		10	46	http://dx.doi.org/10.1007/JHEP10(2022)046
159	Phase behaviors of ionic liquids attributed to the dual ionic and organic nature	Tang, Chenyu; Wang, Yanting	COMMUNICATIONS IN THEORETICAL PHYSICS	2022	74	9	97601	http://dx.doi.org/10.1088/1572-9494/ac7e2a
160	Pion and Kaon Distribution Amplitudes from Lattice QCD	Hua, Jun; Chu, Min-Huan; He, Fang-Cheng; He, Jin-Chen; Ji, Xiangdong; Schaefer, Andreas; Su, Yushan; Sun, Peng; Wang, Wei; Xu, Ji; Yang, Yi-Bo; Yao, Fei; Zhang, Jian-Hui; Zhang, Qi-An	PHYSICAL REVIEW LETTERS	2022	129	13	132001	http://dx.doi.org/10.1103/PhysRevLett.129.132001
161	Pion axioproduction: The Delta resonance contribution	Vonk, Thomas; Guo, Feng-Kun; Meissner, Ulf-G	PHYSICAL REVIEW D	2022	105	5	54029	http://dx.doi.org/10.1103/PhysRevD.105.054029
162	Populating the landscape in an inhomogeneous universe	Lin, Pu-Xin; Piao, Yun-Song	PHYSICAL REVIEW D	2022	105	6	63534	http://dx.doi.org/10.1103/PhysRevD.105.063534
163	Prediction of a Narrow Exotic Hadronic State with Quantum Numbers J(PC)=0(- -)	Ji, Teng; Dong, Xiang-Kun; Guo, Feng-Kun; Zou, Bing-Song	PHYSICAL REVIEW LETTERS	2022	129	10	102002	http://dx.doi.org/10.1103/PhysRevLett.129.102002
164	Primordial black hole production during first-order phase transitions	Liu, Jing; Bian, Ligong; Cai, Rong-Gen; Guo, Zong-Kuan; Wang, Shao-Jiang	PHYSICAL REVIEW D	2022	105	2	L021303	http://dx.doi.org/10.1103/PhysRevD.105.L021303
165	ProALIGN: Directly Learning Alignments for Protein Structure Prediction via Exploiting Context-Specific Alignment Motifs	Kong, Lupeng; Ju, Fusong; Zheng, Wei-mou; Zhu, Jianwei; Sun, Shiwei; Xu, Jinbo; Bu, Dongbo	JOURNAL OF COMPUTATIONAL BIOLOGY					http://dx.doi.org/10.1089/cmb.2021.0430
166	Probing dark matter spikes via gravitational waves of extreme-mass-ratio inspirals	Li, Gen-Liang; Tang, Yong; Wu, Yue-Liang	SCIENCE CHINA-PHYSICS MECHANICS &	2022	65	10	100412	http://dx.doi.org/10.1007/s11433-022-1930-9
167	Probing QCD critical point and induced gravitational wave by black hole physics	Cai, Rong-Gen; He, Song; Li, Li; Wang, Yuan-Xu	PHYSICAL REVIEW D	2022	106	12	L121902	http://dx.doi.org/10.1103/PhysRevD.106.L121902
168	Probing relatively heavier right-handed selectron at the CEPC, FCCee and ILC	Ahmed, Waqas; Khan, Imtiaz; Li, Tianjun; Raza, Shabbar; Zhang, Wenxing	PHYSICS LETTERS B	2022	832			http://dx.doi.org/10.1016/j.physletb.2022.137216
169	Production and attenuation of cosmic-ray boosted dark matter	Xia, Chen; Xu, Yan-Hao; Zhou, Yu-Feng	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2022		2	28	http://dx.doi.org/10.1088/1475-7516/2022/02/028
170	Production of proton-rich nuclei in the vicinity of Sn-100 via multinucleon transfer reactions	Wu, Zhenji; Guo, Lu; Liu, Zhong; Peng, Guangxiong	PHYSICS LETTERS B	2022	825		136886	http://dx.doi.org/10.1016/j.physletb.2022.136886
171	Proton momentum and angular momentum decompositions with overlap fermions	Wang, Gen; Yang, Yi-Bo; Liang, Jian; Draper, Terrence; Liu, Keh-Fei	PHYSICAL REVIEW D	2022	106	1	14512	http://dx.doi.org/10.1103/PhysRevD.106.014512
172	Pseudo-Goldstone dark matter model with CP violation	Darvishi, Neda; Grzadkowski, Bohdan	JOURNAL OF HIGH ENERGY PHYSICS	2022		6	92	http://dx.doi.org/10.1007/JHEP06(2022)092
173	Pulsar timing residual induced by wideband ultralight dark matter with spin 0,1,2	Sun, Sichun; Yang, Xing -Yu; Zhang, Yun-Long	PHYSICAL REVIEW D	2022	106	6	66006	http://dx.doi.org/10.1103/PhysRevD.106.066006
174	QCD factorization of quasi generalized quark distributions	Ma, J. P.; Pang, Z. Y.; Zhang, G. P.	JOURNAL OF HIGH ENERGY PHYSICS	2022		8	130	http://dx.doi.org/10.1007/JHEP08(2022)130
175	Quantum chaos, scrambling and operator growth in T (T) overbar deformed SYK models	He, Song; Lau, Pak Hang Chris; Xian, Zhuo-Yu; Zhao, Long	JOURNAL OF HIGH ENERGY PHYSICS	2022		12	70	http://dx.doi.org/10.1007/JHEP12(2022)070
176	Quantum spin liquid candidate as superior refrigerant in cascade demagnetization cooling	Liu, Xin-Yang; Gao, Yuan; Li, Han; Jin, Wentao; Xiang, Junsen; Jin, Hai; Chen, Ziyu; Li, Wei; Su, Gang	COMMUNICATIONS PHYSICS	2022	5	1	233	http://dx.doi.org/10.1038/s42005-022-01010-1
177	Quantum spin liquid with emergent chiral order in the triangular-lattice Hubbard model	Chen, Bin-Bin; Chen, Ziyu; Gong, Shou-Shu; Sheng, D. N.; Li, Wei; Weichselbaum, Andreas	PHYSICAL REVIEW B	2022	106	9	94420	http://dx.doi.org/10.1103/PhysRevB.106.094420
178	Quantum statistics of phonon radiations in optomechanical systems	Chen, Menghan; Chang, Yue; Shi, Tao	COMMUNICATIONS IN THEORETICAL PHYSICS	2022	74	11	115103	http://dx.doi.org/10.1088/1572-9494/ac6746

179	Real-time dynamics of the O(4) scalar theory within the fRG approach	Tan, Yang-yang; Chen, Yong-rui; Fu, Wei-jie	SCIPOST PHYSICS	2022	12	1	26	http://dx.doi.org/10.21468/SciPostPhys.12.1.026
180	Reflected entropy in double holography	Ling, Yi; Liu, Peng; Liu, Yuxuan; Niu, Chao; Xian, Zhuo-Yu; Zhang, Cheng-Yong	JOURNAL OF HIGH ENERGY PHYSICS	2022		2	37	http://dx.doi.org/10.1007/JHEP02(2022)037
181	Renormalization of Transverse-Momentum-Dependent Parton Distribution on the Lattice	Zhang, Kuan; Ji, Xiangdong; Yang, Yi-Bo; Yao, Fei; Zhang, Jian-Hui	PHYSICAL REVIEW LETTERS	2022	129	8	82002	http://dx.doi.org/10.1103/PhysRevLett.129.082002
182	Resonances in heavy meson-heavy baryon coupled-channel interactions	Wang, Zheng-Li; Shen, Chao-Wei; Roenchen, Deborah; Meissner, Ulf-G; Zou, Bing-Song	EUROPEAN PHYSICAL JOURNAL C	2022	82	5	497	http://dx.doi.org/10.1140/epjc/s10052-022-10462-2
183	Revisiting dark matter freeze-in and freeze-out through phase-space distribution	Du, Yong; Huang, Fei; Li, Hao-Lin; Li, Yuan-Zhen; Yu, Jiang-Hao	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2022		4	12	http://dx.doi.org/10.1088/1475-7516/2022/04/012
184	Rheology of vitrimers	Meng, Fanlong; Saed, Mohand O.; Terentjev, Eugene M.	NATURE COMMUNICATIONS	2022	13	1	5753	http://dx.doi.org/10.1038/s41467-022-33321-w
185	RI/MOM and RI/SMOM renormalization of quark bilinear operators using overlap fermions	He, Fangcheng; Bi, Yu-Jiang; Draper, Terrence; Liu, Keh-Fei; Liu, Zhaofeng; Yang, Yi-Bo	PHYSICAL REVIEW D	2022	106	11	114506	http://dx.doi.org/10.1103/PhysRevD.106.114506
186	Rich nature of Van Hove singularities in Kagome superconductor CsV3Sb5	Hu, Yong; Wu, Xianxin; Ortiz, Brenden R.; Ju, Sailong; Han, Xinloong; Ma, Junzhang; Plumb, Nicholas C.; Radovic, Milan; Thomale, Ronny; Wilson, Stephen D.; Schnyder, Andreas P.; Shi, Ming	NATURE COMMUNICATIONS	2022	13	1	2220	http://dx.doi.org/10.1038/s41467-022-29828-x
187	Role of an Ice Surface in the Photoreaction of Coumarins	Zhang, Shizhong; Zhang, Chuanbiao; Fu, Yang; Li, Linhai; Huang, Chuanbing; Lin, Yang; Zhu, Chongqin; Francisco, Joseph S.; He, Zhiyuan; Zhou, Xin; Wang, Jianjun	LANGMUIR	2022	38	37	11346-11353	http://dx.doi.org/10.1021/acs.langmuir.2c01637
188	Room temperature bilayer water structures on a rutile TiO2(110) surface: hydrophobic or hydrophilic?	Qu, Mengyang; Huang, Gang; Liu, Xinyi; Nie, Xuechuan; Qi, Chonghai; Wang, Huabin; Hu, Jun; Fang, Haiping; Gao, Yi; Liu, Wei-Tao; Francisco, Joseph S.; Wang, Chunlei	CHEMICAL SCIENCE	2022	13	35	10546-10554	http://dx.doi.org/10.1039/d2sc02047e
189	Sachdev-Ye-Kitaev model with an extra diagonal perturbation: phase transition in the eigenvalue spectrum	Wu, Shuang	JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL	2022	55	41	415207	http://dx.doi.org/10.1088/1751-8121/ac93cd
190	Scattering amplitudes of Kaluza-Klein strings and extended massive double-copy	Li, Yao; Hang, Yan-Feng; He, Hong-Jian; He, Song	JOURNAL OF HIGH ENERGY PHYSICS	2022		2	120	http://dx.doi.org/10.1007/JHEP02(2022)120
191	Schubert problems, positivity and symbol letters	Yang, Qinglin	JOURNAL OF HIGH ENERGY PHYSICS	2022		8	168	http://dx.doi.org/10.1007/JHEP08(2022)168
192	Search for the Gravitational-wave Background from Cosmic Strings with the Parkes Pulsar Timing Array Second Data Release	Chen, Zu-Cheng; Wu, Yu-Mei; Huang, Qing-Guo	ASTROPHYSICAL JOURNAL	2022	936	1	20	http://dx.doi.org/10.3847/1538-4357/ac86cb
193	Searching for isotropic stochastic gravitational-wave background in the international pulsar timing array second data release	Chen, Zu-Cheng; Wu, Yu-Mei; Huang, Qing-Guo	COMMUNICATIONS IN THEORETICAL PHYSICS	2022	74	10	105402	http://dx.doi.org/10.1088/1572-9494/ac7cdf
194	Semi-inclusive electroproduction of hidden-charm and double-charm hadronic molecules	Shi, Pan -Pan; Guo, Feng-Kun; Yang, Zhi	PHYSICAL REVIEW D	2022	106	11	114026	http://dx.doi.org/10.1103/PhysRevD.106.114026
195	Seq-SetNet: directly exploiting multiple sequence alignment for protein secondary structure prediction	Ju, Fusong; Zhu, Jianwei; Zhang, Qi; Wei, Guozheng; Sun, Shiwei; Zheng, Wei-Mou; Bu, Dongbo	BIOINFORMATICS	2022	38	4	990-996	http://dx.doi.org/10.1093/bioinformatics/btab777
196	Shear Flows in Far-from-Equilibrium Strongly Coupled Fluids	Baggioli, Matteo; Li, Li; Sun, Hao-Tian	PHYSICAL REVIEW LETTERS	2022	129	1	11602	http://dx.doi.org/10.1103/PhysRevLett.129.011602
197	Simulation of Quantum Circuits Using the Big-Batch Tensor Network Method	Pan, Feng; Zhang, Pan	PHYSICAL REVIEW LETTERS	2022	128	3	30501	http://dx.doi.org/10.1103/PhysRevLett.128.030501
198	Size of Nanoscale Domains in Inhomogeneous Surfaces Determines Ice Nucleation	Zhang, Chuanbiao; Wang, Yanting; Wang, Jianjun; Zhou, Xin	JOURNAL OF PHYSICAL CHEMISTRY C	2022	126	31	13373-13380	http://dx.doi.org/10.1021/acs.jpcc.2c02647
199	Solving the Sampling Problem of the Sycamore Quantum Circuits	Pan, Feng; Chen, Keyang; Zhang, Pan	PHYSICAL REVIEW LETTERS	2022	129	9	90502	http://dx.doi.org/10.1103/PhysRevLett.129.090502
200	Space-borne atom interferometric gravitational wave detections. Part II. Dark sirens and the one	Yang, Tao; Lee, Hyung Mok; Cai, Rong-Gen; Choi, Han Gil; Jung, Sunghoon	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2022		1		http://dx.doi.org/10.1088/1475-7516/2022/01/042
201	Space-borne atom interferometric gravitational wave detections. Part III. Eccentricity on dark sirens	Yang, Tao; Cai, Rong-Gen; Lee, Hyung Mok	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2022		10	61	http://dx.doi.org/10.1088/1475-7516/2022/10/061
202	Speculations on the W-mass measurement at CDF	Gu, Jiayin; Liu, Zhen; Ma, Teng; Shu, Jing	CHINESE PHYSICS C	2022	46	12	123107	http://dx.doi.org/10.1088/1674-1137/ac8cd5

203	Spin supersolidity in nearly ideal easy-axis triangular quantum antiferromagnet Na2BaCo(PO4)(2)	Gao, Yuan; Fan, Yu-Chen; Li, Han; Yang, Fan; Zeng, Xu-Tao; Sheng, Xian-Lei; Zhong, Ruidan; Qi, Yang; Wan, Yuan; Li, Wei	NPJ QUANTUM MATERIALS	2022	7	1	89	http://dx.doi.org/10.1038/s41535-022-00500-3
204	Spin-Holstein Models in Trapped-Ion Systems	Knoerzer, J.; Shi, T.; Demler, E.; Cirac, J., I	PHYSICAL REVIEW LETTERS	2022	128	12	120404	http://dx.doi.org/10.1103/PhysRevLett.128.120404
205	Spin-triplet pairing induced by near-neighbor attraction in the extended Hubbard model for cuprate chain	Qu, Dai-Wei; Chen, Bin-Bin; Jiang, Hong-Chen; Wang, Yao; Li, Wei	COMMUNICATIONS PHYSICS	2022	5	1	257	http://dx.doi.org/10.1038/s42005-022-01030-x
206	Spot size estimation of flat-top beams in space-based gravitational wave detectors	Hao, Zhen-Xiang; Haase, Tim; Jin, Hong-Bo; Tao, Ya-Zheng; Wanner, Gudrun; Wu, Ruo-Xi; Wu, Yue-Liang	INTERNATIONAL JOURNAL OF MODERN PHYSICS D					http://dx.doi.org/10.1142/S0218271822501346
207	Standard siren cosmology with the LISA-Taiji network	Guo, Zong-Kuan	SCIENCE CHINA-PHYSICS MECHANICS &	2022	65	1	210431	http://dx.doi.org/10.1007/s11433-021-1803-1
208	Stasis in an expanding universe: A recipe for stable mixed-component cosmological eras	Dienes, Keith R.; Heurtier, Lucien; Huang, Fei; Kim, Doojin; Tait, Tim M. P.; Thomas, Brooks	PHYSICAL REVIEW D	2022	105	2	23530	http://dx.doi.org/10.1103/PhysRevD.105.023530
209	Stochastic ravitational wave background from PBH-ABH mergers *	Cui, Wenfeng; Huang, Fei; Shu, Jing; Zhao, Yue	CHINESE PHYSICS C	2022	46	5	55103	http://dx.doi.org/10.1088/1674-1137/ac4cab
210	Stringent axion constraints with Event Horizon Telescope polarimetric measurements of M87	Chen, Yifan; Liu, Yuxin; Lu, Ru-Sen; Mizuno, Yosuke; Shu, Jing; Xue, Xiao; Yuan, Qiang; Zhao, Yue	NATURE ASTRONOMY	2022	6	5	592-598	http://dx.doi.org/10.1038/s41550-022-01620-3
211	Subleading contributions to the decay width of the T-cc(+) tetraquark	Yan, Mao-Jun; Valderrama, Manuel Pavon	PHYSICAL REVIEW D	2022	105	1	14007	http://dx.doi.org/10.1103/PhysRevD.105.014007
212	Superradiant evolution of the shadow and photon ring of Sgr A	Chen, Yifan; Roy, Rittick; Vagnozzi, Sunny; Visinelli, Luca	PHYSICAL REVIEW D	2022	106	4	43021	http://dx.doi.org/10.1103/PhysRevD.106.043021
213	Surface charges in Chern-Simons gravity with T(T)over-bar deformation	He, Miao; He, Song; Gao, Yi-hong	JOURNAL OF HIGH ENERGY PHYSICS	2022		3	44	http://dx.doi.org/10.1007/JHEP03(2022)044
214	T(T)over bar deformation on multiquantum mechanics and regenesis	He, Song; Xian, Zhuo-Yu	PHYSICAL REVIEW D	2022	106	4	46002	http://dx.doi.org/10.1103/PhysRevD.106.046002
215	Tension between e plus e- -> eta pi- pi plus and Tau - -> eta pi- pi 0 nu Tau data and nonstandard interactions	Arteaga, Saray; Dai, Ling-Yun; Guevara, Adolfo; Roig, Pablo	PHYSICAL REVIEW D	2022	106	9	96016	http://dx.doi.org/10.1103/PhysRevD.106.096016
216	Testing dark energy after pre-recombination early dark energy	Wang, Hao; Piao, Yun-Song	PHYSICS LETTERS B	2022	832			http://dx.doi.org/10.1016/j.physletb.2022.137244
217	The angular momentum and parity projected multidimensionally constrained relativistic Hartree-Bogoliubov model	Wang, Kun; Lu, Bing-Nan	COMMUNICATIONS IN THEORETICAL PHYSICS	2022	74	1	15303	http://dx.doi.org/10.1088/1572-9494/ac3999
218	The assignments of the bottom mesons within the screened potential model and P-3(0) model	Feng, Xue-Chao; Hao, Wei; Liu, Li-Juan	INTERNATIONAL JOURNAL OF MODERN PHYSICS E	2022	31	7	2250066	http://dx.doi.org/10.1142/S0218301322500665
219	The bottom-up EFT: complete UV resonances of the SMEFT operators	Li, Hao-Lin; Ni, Yu-Han; Xiao, Ming-Lei; Yu, Jiang-Hao	JOURNAL OF HIGH ENERGY PHYSICS	2022		11	170	http://dx.doi.org/10.1007/JHEP11(2022)170
220	The complete search for the supersymmetric Pati-Salam models from intersecting D6-branes	He, Weikun; Li, Tianjun; Sun, Rui	JOURNAL OF HIGH ENERGY PHYSICS	2022		8	44	http://dx.doi.org/10.1007/JHEP08(2022)044
221	The energy budget of cosmological first-order phase transitions beyond the bag equation of state	Wang, Shao-Jiang; Yuwen, Zi-Yan	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2022		10	47	http://dx.doi.org/10.1088/1475-7516/2022/10/047
222	The final model building for the supersymmetric Pati-Salam models from intersecting D6-branes	He, Weikun; Li, Tianjun; Sun, Rui; Wu, Lina	EUROPEAN PHYSICAL JOURNAL C	2022	82	8	710	http://dx.doi.org/10.1140/epjc/s10052-022-10663-9
223	The mass spectrum and wave functions of the B-c system	Wang, Guo-Li; Wang, Tianghong; Li, Qiang; Chang, Chao-Hsi	JOURNAL OF HIGH ENERGY PHYSICS	2022		5	6	http://dx.doi.org/10.1007/JHEP05(2022)006
224	The minimal UV-induced effective QCD axion theory	Gao, Yu; Li, Tianjun; Yang, Qiaoli	MODERN PHYSICS LETTERS A	2022	37	9	2250055	http://dx.doi.org/10.1142/S0217732322500559
225	The momentum amplituhedron of SYM and ABJM from twistor-string maps	He, Song; Chia-Kai Kuo; Yao-Qi Zhang	JOURNAL OF HIGH ENERGY PHYSICS	2022		2	148	http://dx.doi.org/10.1007/JHEP02(2022)148
226	The natural explanation of the muon anomalous magnetic moment via the electroweak supersymmetry from the GmSUGRA in the MSSM	Ahmed, Waqas; Khan, Imtiaz; Li, Jinmian; Li, Tianjun; Raza, Shabbar; Zhang, Wenxing	PHYSICS LETTERS B	2022	827		136879	http://dx.doi.org/10.1016/j.physletb.2022.136879
227	The P-V phase transition of the FRW universe	Kong, Shi-Bei; Abdusattar, Haximjan; Yin, Yihao; Zhang, Hongsheng; Hu, Ya-Peng	EUROPEAN PHYSICAL JOURNAL C	2022	82	11	1047	http://dx.doi.org/10.1140/epjc/s10052-022-10976-9
228	The solution to the '1/2 vs 3/2' puzzle	Wang, Guo-Li; Li, Qiang; Wang, Tianhong; Feng, Tai-Fu; Wu, Xing-Gang; Chang, Chao-Hsi	EUROPEAN PHYSICAL JOURNAL C	2022	82	11	1027	http://dx.doi.org/10.1140/epjc/s10052-022-10997-4
229	The structuring effect of the alkyl domains on the polar network of ionic liquid mixtures: a molecular dynamics study	Mazzilli, Valerio; Wang, Yanting; Saielli, Giacomo	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2022	24	31	18783-18792	http://dx.doi.org/10.1039/d2cp02786k

230	The structuring effect of the alkyl domains on the polar network of ionic liquid mixtures: a molecular dynamics study (vol 24, pg 18783, 2022)	Mazzilli, Valerio; Wang, Yanting; Saielli, Giacomo	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2022	24	45	28080-28080	http://dx.doi.org/10.1039/d2cp90215j
231	The supersymmetry breaking soft terms, and fermion masses and mixings in the supersymmetric Pati-Salam model from intersecting D6-branes	Sabir, Mudassar; Li, Tianjun; Mansha, Adeel; Wang, Xiao-Chuan	JOURNAL OF HIGH ENERGY PHYSICS	2022		4	89	http://dx.doi.org/10.1007/JHEP04(2022)089
232	The topological RN-AdS black holes cannot be overcharged by the new version of gedanken experiment	Huang, Yong-Ming; Tian, Yu; Wu, Xiao-Ning; Zhang, Hongbao	PHYSICS LETTERS B	2022	829		137031	http://dx.doi.org/10.1016/j.physletb.2022.137031
233	The universality of islands outside the horizon	He, Song; Sun, Yuan; Zhao, Long; Zhang, Yu-Xuan	JOURNAL OF HIGH ENERGY PHYSICS	2022		5	47	http://dx.doi.org/10.1007/JHEP05(2022)047
234	Theoretical analysis of RNA polymerase fidelity: a steady-state copolymerization approach	Fu, Wenbo; Li, Qiushi; Song, Yongshun; Shu, Yaogen; Ouyang, Zhongcan; Li, Ming	COMMUNICATIONS IN THEORETICAL PHYSICS	2022	74	1	15601	http://dx.doi.org/10.1088/1572-9494/ac3993
235	Theory of quasi-exact fault-tolerant quantum computing and valence-bond-solid codes	Wang, Dong-Sheng; Wang, Yun-Jiang; Cao, Ningping; Zeng, Bei; Laflamme, Raymond	NEW JOURNAL OF PHYSICS	2022	24	2	23019	http://dx.doi.org/10.1088/1367-2630/ac4737
236	Topological pz-wave nodal-line superconductivity with flat surface bands in the AH(x)Cr(3)As(3) (A= Na, K, Rb, Cs) superconductors	Hao, Juan-Juan; Zhang, Ming; Wu, Xian-Xin; Yang, Fan	EPL	2022	138	6	66001	http://dx.doi.org/10.1209/0295-5075/ac6622
237	Toroidal and elliptic quiver BPS algebras and beyond	Galakhov, Dmitry; Li, Wei; Yamazaki, Masahito	JOURNAL OF HIGH ENERGY PHYSICS	2022		2	24	http://dx.doi.org/10.1007/JHEP02(2022)024
238	Toward early dark energy and ns=1 with Planck, ACT, and SPT observations	Jiang, Jun-Qian; Piao, Yun-Song	PHYSICAL REVIEW D	2022	105	10	103514	http://dx.doi.org/10.1103/PhysRevD.105.103514
239	Triangle singularity in B0 -> pi-K +X(3872) via the Ds1 over line DD* loop and possible precise measurement of the X(3872) mass	Yan, Mao-Jun; Ge, Ying-Hui; Liu, Xiao-Hai	PHYSICAL REVIEW D	2022	106	11	114002	http://dx.doi.org/10.1103/PhysRevD.106.114002
240	Truncated cluster algebras and Feynman integrals with algebraic letters (vol 12, 110, 2021)	He, Song; Li, Zhenjie; Yang, Qinglin	JOURNAL OF HIGH ENERGY PHYSICS	2022		5	75	http://dx.doi.org/10.1007/JHEP05(2022)075
241	Tunable topological Dirac surface states and van Hove singularities in kagome metal GdV6Sn6	Hu, Yong; Wu, Xianxin; Yang, Yongqi; Gao, Shunye; Plumb, Nicholas C.; Schnyder, Andreas P.; Xie, Weiwei; Ma, Junzhang; Shi, Ming	SCIENCE ADVANCES	2022	8	38	eadd2024	http://dx.doi.org/10.1126/sciadv.add2024
242	Twist-3 double-spin asymmetries in Drell-Yan processes	Hu, M. C.; Ma, J. P.; Pang, Z. Y.; Zhang, G. P.	PHYSICAL REVIEW D	2022	105	1	14009	http://dx.doi.org/10.1103/PhysRevD.105.014009
243	Two dynamical generated a(0) resonances by interactions between vector mesons	Wang, Zheng-Li; Zou, Bing-Song	EUROPEAN PHYSICAL JOURNAL C	2022	82	6	509	http://dx.doi.org/10.1140/epjc/s10052-022-10460-4
244	Two-Higgs-doublet models in light of current experiments: a brief review	Wang, Lei; Yang, Jin Min; Zhang, Yang	COMMUNICATIONS IN THEORETICAL PHYSICS	2022	74	9	97202	http://dx.doi.org/10.1088/1572-9494/ac7fe9
245	Universal expansions of scattering amplitudes for gravitons, gluons, and Goldstone particles	Dong, Jin; He, Song; Hou, Linghui	PHYSICAL REVIEW D	2022	105	10	105007	http://dx.doi.org/10.1103/PhysRevD.105.105007
246	Update on strong and radiative decays of the D-s0*(2317) and D-s1(2460) and their bottom cousins	Fu, Hai-Long; Griesshammer, Harald W.; Guo, Feng-Kun; Hanhart, Christoph; Meissner, Ulf-G	EUROPEAN PHYSICAL JOURNAL A	2022	58	4	70	http://dx.doi.org/10.1140/epja/s10050-022-00724-8
247	Van Hove tuning of AV(3)Sb(5) kagome metals under pressure and strain	Consiglio, Armando; Schwemmer, Tilman; Wu, Xianxin; Hanke, Werner; Neupert, Titus; Thomale, Ronny; Sangiovanni, Giorgio; Di Sante, Domenico	PHYSICAL REVIEW B	2022	105	16	165146	http://dx.doi.org/10.1103/PhysRevB.105.165146
248	Variational Ansatz for the Ground State of the Quantum Sherrington-Kirkpatrick Model	Schindler, Paul M.; Guaita, Tommaso; Shi, Tao; Demler, Eugene; Cirac, J. Ignacio	PHYSICAL REVIEW LETTERS	2022	129	22	220401	http://dx.doi.org/10.1103/PhysRevLett.129.220401
249	What kind of complexity is dual to holographic complexity?	Yang, Run-Qiu; An, Yu-Sen; Niu, Chao; Zhang, Cheng-Yong; Kim, Keun-Young	EUROPEAN PHYSICAL JOURNAL C	2022	82	3	262	http://dx.doi.org/10.1140/epjc/s10052-022-10151-0
250	When null energy condition meets ADM mass	Yang, Run-Qiu; Li, Li; Cai, Rong-Gen	COMMUNICATIONS IN THEORETICAL PHYSICS	2022	74	9	95403	http://dx.doi.org/10.1088/1572-9494/ac84cd
251	Zigzag magnetic order in a novel tellurate compound Na4-delta NiTeO6 with S=1 chains	Su, Cheng; Zeng, Xu-Tao; Li, Yi; Ma, Nvsen; Lin, Zhengwang; Zhang, Chuandi; Wang, Chin-Wei; Chen, Ziyu; Lu, Xingye; Li, Wei; Sheng, Xian-Lei; Jin, Wentao	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2022	65	9	297511	http://dx.doi.org/10.1007/s11433-022-1947-1
252	α decay of the new isotope Ac-204	Huang, M. H.; Gan, Z. G.; Zhang, Z. Y.; etc.; Guo, S.; Huang, W. X.; He, Y.; Ren, Z. Z.; Zhou, S. G.; Zhou, X. H.; Xu, H. S.; Utyonkov, V. K.; Voinov, A. A.; Tsyganov, Yu . S.; Polyakov, A. . N.	PHYSICS LETTERS B	2022	834		137484	http://dx.doi.org/10.1016/j.physletb.2022.137484