

SCI Papers of ITP in 2020

No.	Article Title	Authors	Source Title	Year	Volume	Issue	Page	DOI Link
1	4d N=1 from 6d D-type N = (1,0)	Chen, Jin; Haghghat, Babak; Liu, Shuwei; Sperling, Marcus	JOURNAL OF HIGH ENERGY PHYSICS	2020		1	152	http://dx.doi.org/10.1007/JHEP01(2020)152
2	A brief analysis to Taiji: Science and technology	Luo, Ziren; Guo, Zongkuan; Jin, Gang; Wu, Yueliang; Hu, Wenrui	RESULTS IN PHYSICS	2020	16		102918	http://dx.doi.org/10.1016/j.rinp.2019.102918
3	A brief review of continuous models for ionic solutions: the Poisson-Boltzmann and related theories	Su, Mao; Wang, Yanting	COMMUNICATIONS IN THEORETICAL PHYSICS	2020	72	6	67601	http://dx.doi.org/10.1088/1572-9494/ab8a23
4	A Decrease in Transcription Capacity Limits Growth Rate upon Translation Inhibition	Zhang, Qing; Brambilla, Elisa; Li, Rui; Shi, Hualin; Lagomarsino, Marco Cosentino; Sclavi, Bianca	MSYSTEMS	2020	5	5	e00575-20	http://dx.doi.org/10.1128/mSystems.00575-20
5	A new isomeric state in Pa-218	Zhang, M. M.; Yang, H. B.; Gan, Z. G.; Zhang, Z. Y.; Huang, M. H.; Ma, L.; Yang, C. L.; Yuan, C. X.; Wang, Y. S.; Tian, Y. L.; Zhou, H. B.; Huang, S.; He, X. T.; Wang, S. Y.; Xu, W. Z.; Li, H. W.; Xu, X. X.; Wang, J. G.; Yang, H. R.; Duan, L. M.; Yang, W. Q.; Zhou, S. G.; Ren, Z. Z.; Zhou, X. H.; Xu, H. S.; Voinov, A. A.; Tsyganov, Yu S.; Polyakov, A. N.; Shumeiko, M., V	PHYSICS LETTERS B	2020	800		135102	http://dx.doi.org/10.1016/j.physletb.2019.135102
6	A proposal on complementary determination of the effective electroweak mixing angles via doubly heavy-flavored hadron production at a super Z-factory	Zheng, Xu-Chang; Chang, Chao-Hsi; Feng, Tai-Fu	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2020	63	8	281011	http://dx.doi.org/10.1007/s11433-019-1497-9
7	Analytical approximation of the scalar spectrum in the ultraslow-roll inflationary models	Liu, Jing; Guo, Zong-Kuan; Cai, Rong-Gen	PHYSICAL REVIEW D	2020	101	8	83535	http://dx.doi.org/10.1103/PhysRevD.101.083535
8	Antiferromagnetic chiral spin density wave and strain-induced Chern insulator in the square lattice Hubbard model with frustration	Huang, Yun-Peng; Dong, Jin-Wei; Kotetes, Panagiotis; Zhou, Sen	PHYSICAL REVIEW B	2020	102	19	195120	http://dx.doi.org/10.1103/PhysRevB.102.195120
9	Astrophysical Background and Dark Matter Implication Based on Latest AMS-02 Data	Jin, Hong-Bo; Wu, Yue-Liang; Zhou, Yu-Feng	ASTROPHYSICAL JOURNAL	2020	901	1	80	http://dx.doi.org/10.3847/1538-4357/abb01a
10	Atmospheric dark matter and XENON1T excess	Su, Liangliang; Wang, Wenyu; Wu, Lei; Yang, Jin Min; Zhu, Bin	PHYSICAL REVIEW D	2020	102	11	115028	http://dx.doi.org/10.1103/PhysRevD.102.115028
11	Balancing coherent and dissipative dynamics in a central-spin system	Ricottone, A.; Fang, Y. N.; Coish, W. A.	PHYSICAL REVIEW B	2020	102	8	85413	http://dx.doi.org/10.1103/PhysRevB.102.085413
12	b-Baryon semi-tauonic decays in the Standard Model	Han, Chao; Liu, Chun	NUCLEAR PHYSICS B	2020	961		115262	http://dx.doi.org/10.1016/j.nuclphysb.2020.115262
13	Boosted Dark Matter Interpretation of the XENON1T Excess	Fornal, Bartosz; Sandick, Pearl; Shu, Jing; Su, Meng; Zhao, Yue	PHYSICAL REVIEW LETTERS	2020	125	16	161804	http://dx.doi.org/10.1103/PhysRevLett.125.161804
14	Bridging chains mediate nonlinear mechanics of polymer nanocomposites under cyclic deformation	Varol, H. Samet; Srivastava, Anchit; Kumar, Sachin; Bonn, Mischa; Meng, Fanlong; Parekh, Sapun H.	POLYMER	2020	200		122529	http://dx.doi.org/10.1016/j.polymer.2020.122529
15	Brown-York energy in stationary spacetimes	Zhang, Hongsheng	MODERN PHYSICS LETTERS A	2020	35	22	2050182	http://dx.doi.org/10.1142/S0217732320501825
16	Cell Size Is Coordinated with Cell Cycle by Regulating Initiator Protein DnaA in E. coli	Zhang, Qing; Zhang, Zhichao; Shi, Hualin	BIOPHYSICAL JOURNAL	2020	119	12	2537-2557	http://dx.doi.org/10.1016/j.bpj.2020.10.034
17	Chiral extrapolation of the magnetic polarizability of the neutral pion	He, Fangcheng; Leinweber, D. B.; Thomas, A. W.; Wang, P.	PHYSICAL REVIEW D	2020	102	11	114509	http://dx.doi.org/10.1103/PhysRevD.102.114509
18	Conformal alpha-tractor inflation with Weyl gauge field	Tang, Yong; Wu, Yue-Liang	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2020		3	67	http://dx.doi.org/10.1088/1475-7516/2020/03/067
19	Consistent Skyrme parametrizations constrained by GW170817	Lourenco, O.; Dutra, M.; Lenzi, C. H.; Biswal, S. K.; Bhuyan, M.; Menezes, D. P.	EUROPEAN PHYSICAL JOURNAL A	2020	56	2	32	http://dx.doi.org/10.1140/epja/s10050-020-00040-z
20	Constraining coupled quintessence with the 21 cm signal	Liu, Xue-Wen; Heneka, Caroline; Amendola, Luca	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2020		5	38	http://dx.doi.org/10.1088/1475-7516/2020/05/038
21	Constraining gravitational-wave polarizations with Taiji	Liu, Chang; Ruan, Wen-Hong; Guo, Zong-Kuan	PHYSICAL REVIEW D	2020	102	12	124050	http://dx.doi.org/10.1103/PhysRevD.102.124050
22	Constraints on charm-anticharm asymmetry in the nucleon from lattice QCD	Sufian, Raza Sabbir; Liu, Tianbo; Alexandru, Andrei; Brodsky, Stanley J.; de Teramond, Guy F.; Dosch, Hans Guenter; Draper, Terrence; Liu, Keh-Fei; Yang, Yi-Bo	PHYSICS LETTERS B	2020	808		135633	http://dx.doi.org/10.1016/j.physletb.2020.135633

23	Constraints on flavor-diagonal non-standard neutrino interactions from Borexino Phase-II	Agarwalla, S. K.; Agostini, M.; Altenmueller, K.; Appel, S.; Atroshchenko, V.; Bagdasarian, Z.; Basilico, D.; Bellini, G.; Benziger, J.; Bick, D.; Bonfini, G.; Bravo, D.; Caccianiga, B.; Calaprice, F.; Caminata, A.; Cappelli, L.; Cavalcante, P.; Cavanna, F.; Chepurinov, A.; Choi, K.; D'Angelo, D.; Davini, S.; Derbin, A.; Di Giacinto, A.; Di Marcello, V.; Ding, X. F.; Di Ludovico, A.; Di Noto, L.; Drachnev, I.; Fomenko, K.; Formozov, A.; Franco, D.; Gabriele, F.; Galbiati, C.; Gschwender, M.; Ghiano, C.; Giammarchi, M.; Goretti, A.; Gromov, M.; Guffanti, D.; Hagner, C.; Hungerford, E.; Ianni, Aldo; Ianni, Andrea; Jany, A.; Jeschke, D.; Kumaran, S.; Kobaychev, V.; Korga, G.; Lachenmaier, T.; Laubenstein, M.; Litvinovich, E.; Lombardi, P.; Ludhova, L.; Lukyanchenko, G.; Lukyanchenko, L.; Machulin, I.; Manuzio; Marcocci, S.; Maricic, J.; Martyn, J.; Meroni, E.; Meyer, M.; Miramonti, L.; Misiaszek, M.; Muratova, V.; Neumair, B.; Nieslony, M.; Oberauer, L.; Orekhov, V.; Ortica, F.; Pallavicini, M.; Papp, L.; Penek, O.; Pietrofaccia, L.; Piliipenko, N.; Pocar, A.; Raikov, G.; Ranucci, G.; Razeto, A.; Re, A.; Redchuk, M.; Romani, A.; Rossi, N.; Rottenanger, S.; Schoenert, S.; Semenov, D.; Skorokhvatov, M.;	JOURNAL OF HIGH ENERGY PHYSICS	2020		2	38	http://dx.doi.org/10.1007/JHEP02(2020)038
24	Contracting Arbitrary Tensor Networks: General Approximate Algorithm and Applications in Graphical Models and Quantum Circuit Simulations	Pan, Feng; Zhou, Pengfei; Li, Sujie; Zhang, Pan	PHYSICAL REVIEW LETTERS	2020	125	6	60503	http://dx.doi.org/10.1103/PhysRevLett.125.060503
25	Cosmic ray boosted sub-GeV gravitationally interacting dark matter in direct detection	Wang, Wenyu; Wu, Lei; Yang, Jin Min; Zhou, Hang; Zhu, Bin	JOURNAL OF HIGH ENERGY PHYSICS	2020		12	72	http://dx.doi.org/10.1007/JHEP12(2020)072
26	Cosmic-ray antinuclei as messengers of new physics: status and outlook for the new decade	von Doetinchem, P.; Perez, K.; Aramaki, T.; Baker, S.; Barwick, S.; Bird, R.; Boezio, M.; Boggs, S. E.; Cui, M.; Datta, A.; Donato, F.; Evoli, C.; Fabris, L.; Fabbietti, L.; Bueno, E. Ferronato; Fornengo, N.; Fuke, H.; Gerrity, C.; Coral, D. Gomez; Hailey, C.; Hooper, D.; Kachelriess, M.; Korsmeier, M.; Kozai, M.; Lea, R.; Li, N.; Lowell, A.; Manghisoni, M.; Moskalenko, I., V.; Munini, R.; Naskret, M.; Nelson, T.; Ng, K. C. Y.; Nozzoli, F.; Oliva, A.; Ong, R. A.; Osteria, G.; Pierog, T.; Poulin, V.; Profumo, S.; Poschl, T.; Quinn, S.; Re, V.; Rogers, F.; Ryan, J.; Saffold, N.; Sakai, K.; Salati, P.; Schael, S.; Serksnyte, L.; Shukla, A.; Stoessi, A.; Tjemsland, J.; Vannuccini, E.; Vecchi, M.; Winkler, M. W.; Wright, D.; Xiao, M.; Xu, W.; Yoshida, T.; Zampa, G.; Zuccon, P.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2020		8	35	http://dx.doi.org/10.1088/1475-7516/2020/08/035
27	Could the black hole singularity be a field singularity?	Domenech, Guillem; Naruko, Atsushi; Sasaki, Misao; Wetterich, Christof	INTERNATIONAL JOURNAL OF MODERN PHYSICS D	2020	29	3	2050026	http://dx.doi.org/10.1142/S0218271820500261
28	Covering Problems and Core Percolations on Hypergraphs	Coutinho, Bruno Coelho; Wu, Ang-Kun; Zhou, Hai-Jun; Liu, Yang-Yu	PHYSICAL REVIEW LETTERS	2020	124	24	248301	http://dx.doi.org/10.1103/PhysRevLett.124.248301
29	D → P(π, K) helicity form factors within light-cone sum rule approach	Fu, Hai-Bing; Cheng, Wei; Zhou, Rui-Yu; Zeng, Long	CHINESE PHYSICS C	2020	44	11	113103	http://dx.doi.org/10.1088/1674-1137/abae4f
30	Deciphering the archaeological record: Cosmological imprints of nonminimal dark sectors	Dienes, Keith R.; Huang, Fei; Kost, Jeff; Su, Shufang; Thomas, Brooks	PHYSICAL REVIEW D	2020	101	12	123511	http://dx.doi.org/10.1103/PhysRevD.101.123511
31	Deciphering the mechanism of near-threshold J/ψ photoproduction	Du, Meng-Lin; Baru, Vadim; Guo, Feng-Kun; Hanhart, Christoph; Meissner, Ulf-G; Nefediev, Alexey; Strakovsky, Igor	EUROPEAN PHYSICAL JOURNAL C	2020	80	11	1053	http://dx.doi.org/10.1140/epjc/s10052-020-08620-5
32	Deep learning black hole metrics from shear viscosity	Yan, Yu-Kun; Wu, Shao-Feng; Ge, Xian-Hui; Tian, Yu	PHYSICAL REVIEW D	2020	102	10	101902	http://dx.doi.org/10.1103/PhysRevD.102.101902

33	Deformed relativistic Hartree-Bogoliubov theory in continuum with a point-coupling functional: Examples of even-even Nd isotopes	Zhang, Kaiyuan; Cheoun, Myung-Ki; Choi, Yong-Beom; Chong, Pooi Seong; Dong, Jianmin; Geng, Lisheng; Ha, Eunja; He, Xiaotao; Heo, Chan; Ho, Meng Chit; In, Eun Jin; Kim, Seonghyun; Kim, Youngman; Lee, Chang-Hwan; Lee, Jenny; 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; Thavayongnou; Wang, Chen; Wong, Sau Hei; Xia, Xuewei; Yan, Yijun; Yeung, Ryan Wai-Yen; Yiu, To Chung; Zhang, Shuangquan; Zhang, Wei; Zhou, Shan-Gui	PHYSICAL REVIEW C	2020	102	2	24314	http://dx.doi.org/10.1103/PhysRevC.102.024314
34	Degenerate states, emergent dynamics and fluid mixing by magnetic rotors	Kawai, Takuma; Matsunaga, Daiki; Meng, Fanlong; Yeomans, Julia M.; Golestanian, Ramin	SOFT MATTER	2020	16	28	6484-6492	http://dx.doi.org/10.1039/d0sm00454e
35	Determining the shape of the Higgs potential at future colliders	Agrawal, Pankaj; Saha, Debashis; Xu, Ling-Xiao; Yu, Jiang-Hao; Yuan, C-P	PHYSICAL REVIEW D	2020	101	7	75023	http://dx.doi.org/10.1103/PhysRevD.101.075023
36	Dirac dark matter in U(1) _{B-L} with the Stueckelberg mechanism	Han, Chengcheng; Lopez-Ibanez, Mi; Peng, Bo; Yang, Jin Min	NUCLEAR PHYSICS B	2020	959		115154	http://dx.doi.org/10.1016/j.nuclphysb.2020.115154
37	Distinguishing primordial black holes from astrophysical black holes by Einstein Telescope and Cosmic Explorer	Chen, Zu-Cheng; Huang, Qing-Guo	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2020		8	39	http://dx.doi.org/10.1088/1475-7516/2020/08/039
38	Dynamical mixing between 2(3)S(1) and 1(3)D(1) charmed mesons	Yu, Hao; Zhao, Ze; Zhang, Ailin	PHYSICAL REVIEW D	2020	102	5	54013	http://dx.doi.org/10.1103/PhysRevD.102.054013
39	Dynamical Phase Transition from Nonequilibrium Dynamics of Dark Solitons	Guo, Minyong; Keski-Vakkuri, Esko; Liu, Hong; Tian, Yu; Zhang, Hongbao	PHYSICAL REVIEW LETTERS	2020	124	3	31601	http://dx.doi.org/10.1103/PhysRevLett.124.031601
40	Dynamical slave-boson mean-field study of the Mott transition in the Hubbard model in the large-z limit	Zhou, Sen; Liang, Long; Wang, Ziqiang	PHYSICAL REVIEW B	2020	101	3	35106	http://dx.doi.org/10.1103/PhysRevB.101.035106
41	$e^+e^- \rightarrow hhZ$ in the B-L symmetric SSM	Cui, Dan-Dan; Feng, Tai-Fu; Yan, Yu-Li; Zhang, Hai-Bin; Ning, Guo-Zhu; Yang, Jin-Lei	PHYSICAL REVIEW D	2020	102	7	75002	http://dx.doi.org/10.1103/PhysRevD.102.075002
42	Editorial	Cai, Rong-Gen	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2020	63	9	290401	http://dx.doi.org/10.1007/s11433-020-1540-4
43	Effective interactions between two impurities in quasi-two-dimensional dipolar Bose-Einstein condensates	Deng, Fu-Lin; Shi, Tao; Yi, Su	COMMUNICATIONS IN THEORETICAL PHYSICS	2020	72	7	75501	http://dx.doi.org/10.1088/1572-9494/ab8a2a
44	Ehlers transformations as EM duality in the double copy	Banerjee, A.; O Colgain, E.; Rosabal, J. A.; Yavartanoo, H.	PHYSICAL REVIEW D	2020	102	12	126017	http://dx.doi.org/10.1103/PhysRevD.102.126017
45	Electric dipole moments of neutron and heavy quarks in the B-LSSM	Yang, Jin-Lei; Feng, Tai-Fu; Cui, Sheng-Kai; Liu, Chang-xin; Li, Wei; Zhang, Hai-Bin	JOURNAL OF HIGH ENERGY PHYSICS	2020		4	13	http://dx.doi.org/10.1007/JHEP04(2020)013
46	Electron and muon (g-2) in the B-LSSM	Yang, Jin-Lei; Feng, Tai-Fu; Zhang, Hai-Bin	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	2020	47	5	55004	http://dx.doi.org/10.1088/1361-6471/ab7986
47	Electroweak baryogenesis and electron EDM in the B-LSSM	Yang, Jin-Lei; Feng, Tai-Fu; Zhang, Hai-Bin	EUROPEAN PHYSICAL JOURNAL C	2020	80	3	210	http://dx.doi.org/10.1140/epjc/s10052-020-7753-9
48	Emergence of Maximal Symmetry	Csaki, Csaba; Ma, Teng; Shu, Jing; Yu, Jiang-Hao	PHYSICAL REVIEW LETTERS	2020	124	24	241801	http://dx.doi.org/10.1103/PhysRevLett.124.241801
49	Entanglement contour and modular flow from subset entanglement entropies	Wen, Qiang	JOURNAL OF HIGH ENERGY PHYSICS	2020		5	18	http://dx.doi.org/10.1007/JHEP05(2020)018
50	Entanglement entropy of an annulus in holographic thermalization	Ling, Yi; Liu, Yuxuan; Xian, Zhuo-Yu	CHINESE PHYSICS C	2020	44	2	23101	http://dx.doi.org/10.1088/1674-1137/44/2/023101
51	Equation of state and chiral transition in soft-wall AdS/QCD with a more realistic gravitational background*	Fang, Zhen; Wu, Yue-Liang	CHINESE PHYSICS C	2020	44	10	103101	http://dx.doi.org/10.1088/1674-1137/abab90
52	Exotic lepton-flavor violating Higgs decays	Evans, Jared A.; Tanedo, Philip; Zakeri, Mohammadreza	JOURNAL OF HIGH ENERGY PHYSICS	2020		1	28	http://dx.doi.org/10.1007/JHEP01(2020)028
53	Exotic origins of tensionless superstrings	Bagchi, Arjun; Banerjee, Aritra; Chakraborty, Shankhadeep; Parekh, Pulastya	PHYSICS LETTERS B	2020	801		135139	http://dx.doi.org/10.1016/j.physletb.2019.135139
54	Explaining (g-2) _(μ,e) , the KOTO anomaly, and the MiniBooNE excess in an extended Higgs model with sterile neutrinos	Dutta, Bhaskar; Ghosh, Sumit; Li, Tianjun	PHYSICAL REVIEW D	2020	102	5	55017	http://dx.doi.org/10.1103/PhysRevD.102.055017
55	Exploring Possible Triangle Singularities in the $Xi^-(b) \rightarrow K^- J/\psi$ Lambda Decay	Shen, Chao-Wei; Jing, Hao-Jie; Guo, Feng-Kun; Wu, Jia-Jun	SYMMETRY-BASEL	2020	12	10	1611	http://dx.doi.org/10.3390/sym12101611

56	Exploring the doubly charmed baryon	Cai RongGen	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2020	63	2	221061	http://dx.doi.org/10.1007/s11433-019-1472-6
57	Extraction of gravitational wave signals with optimized convolutional neural network	Luo, Hua-Mei; Lin, Wenbin; Chen, Zu-Cheng; Huang, Qing-Guo	FRONTIERS OF PHYSICS	2020	15	1	14601	http://dx.doi.org/10.1007/s11467-019-0936-x
58	Extraction of N D scattering lengths from the $\Lambda(b) \rightarrow \pi(-) pD(0)$ decay and properties of the $\Sigma(c)(2800)(+)$	Sakai, Shuntaro; Guo, Feng-Kun; Kubis, Bastian	PHYSICS LETTERS B	2020	808		135623	http://dx.doi.org/10.1016/j.physletb.2020.135623
59	Fast and accurate determination of phase transition temperature via individual generalized canonical ensemble simulation	Shao, Ming-Zhe; Wang, Yan-Ting; Zhou, Xin	CHINESE PHYSICS B	2020	29	8	80505	http://dx.doi.org/10.1088/1674-1056/ab9c03
60	Fine tuning problem of the cosmological constant in a generalized Randall-Sundrum model	Kang, Guang-Zhen; Zhang, De-Sheng; Jun, Li; Zong, Hong-Shi	CHINESE PHYSICS C	2020	44	12	125102	http://dx.doi.org/10.1088/1674-1137/abb4cd
61	Finite volume effects on chiral phase transition and pseudoscalar mesons properties from the Polyakov-Nambu-Jona-Lasinio model	Zhao, Ya-Peng; Yin, Pei-Lin; Yu, Zhen-Hua; Zong, Hong-Shi	NUCLEAR PHYSICS B	2020	952		114919	http://dx.doi.org/10.1016/j.nuclphysb.2020.114919
62	Flavor non-universal gauge interactions and anomalies in B-meson decays (vol 42, 033104, 2018)	Tang, Yong; Wu, Yue-Liang	CHINESE PHYSICS C	2020	44	6	69101	http://dx.doi.org/10.1088/1674-1137/44/6/069101
63	Floquet topological phases with fourfold-degenerate edge modes in a driven spin-1/2 Creutz ladder	Zhou, Longwen; Du, Qianqian	PHYSICAL REVIEW A	2020	101	3	33607	http://dx.doi.org/10.1103/PhysRevA.101.033607
64	Freeze-in dark matter from secret neutrino interactions	Du, Yong; Huang, Fei; Li, Hao-Lin; Yu, Jiang-Hao	JOURNAL OF HIGH ENERGY PHYSICS	2020		12	207	http://dx.doi.org/10.1007/JHEP12(2020)207
65	Future Physics Programme of BESIII	Ablikim, M.; Achasov, M. N.; Adlarson, P.; Ahmed, S.; Albrecht, M.; Alekseev, M.; Amoroso, A.; An, F. F.; An, Q.; Bai, Y.; Bakina, O.; Ferroli, R. Baldini; Ban, Y.; Begzsuren, K.; Bennett, J., V.; Berger, N.; Bertani, M.; Bettoni, D.; Bianchi, F.; Biernat, J.; Bloms, J.; Boyko, I.; Briere, R. A.; Calibbi, L.; Cai, H.; Cai, X.; Calcaterra, A.; Cao, G. F.; Cao, N.; Cetin, S. A.; Chai, J.; Chang, J. F.; Chang, W. L.; Charles, J.; Chelkov, G.; Chen, G.; Chen, H. S.; Chen, J. C.; Chen, M. L.; Chen, S. J.; Chen, Y. B.; Cheng, H. Y.; Cheng, W.; Cibirnetto, G.; Cossio, F.; Cui, X. F.; Dai, H. L.; Dai, J. P.; Dai, X. C.; Dbeyssi, A.; Dedovich, D.; Deng, Z. Y.; Denig, A.; Denysenko, I.; Destefanis, M.; Descotes-Genon, S.; De Mori, F.; Ding, Y.; Dong, C.; Dong, J.; Dong, L. Y.; Dong, M. Y.; Dou, Z. L.; Du, S. X.; Eidelman, S., I.; Fan, J. Z.; Fang, J.; Fang, S. S.; Fang, Y.; Farinelli, R.; Fava, L.; Feldbauer, F.; Felici, G.; Feng, C. Q.; Fritsch, M.; Fu, C. D.; Fu, Y.; Gao, Q.; Gao, X. L.; Gao, Y.; Gao, Y. G.; Gao, Z.; Garillon, B.; Garzia, I.; Gersabeck, E. M.; Gilman, A.; Goetzen, K.; Gong, L.; Gong, W. X.; Gradl, W.; Greco, M.; Gu, L. M.; Gu, M. H.; Gu, Y. T.; Guo, A. Q.; GuoVII, F. K.; Guo, L. B.; Guo, R. P.; Guo, Y. P.; Guskov, A.; Han, S.; Hao, X. Q.; Harris, F. A.; He, K. L.; Heinsius, F. H.; Held,	CHINESE PHYSICS C	2020	44	4	40001	http://dx.doi.org/10.1088/1674-1137/44/4/040001
66	Generalized positivity bounds on chiral perturbation theory	Wang, Yu-Jia; Guo, Feng-Kun; Zhang, Cen; Zhou, Shuang-Yong	JOURNAL OF HIGH ENERGY PHYSICS	2020		7	214	http://dx.doi.org/10.1007/JHEP07(2020)214
67	Generating a Higgs Potential Quartic Term	Csaki, Csaba; Guan, Cong-Sen; Ma, Teng; Shu, Jing	PHYSICAL REVIEW LETTERS	2020	124	25	251801	http://dx.doi.org/10.1103/PhysRevLett.124.251801
68	Generation of vortices and stabilization of vortex lattices in holographic superfluids	Li, Xin; Tian, Yu; Zhang, Hongbao	JOURNAL OF HIGH ENERGY PHYSICS	2020		2	104	http://dx.doi.org/10.1007/JHEP02(2020)104
69	Geometric effects on the electronic structure and the bound states in annular corrugated wires	Cheng, Run; Wang, Yong-Long; Gao, Hao-Xuan; Zhao, Hao; Wang, Jia-Qi; Zong, Hong-Shi	JOURNAL OF PHYSICS-CONDENSED MATTER	2020	32	2	25504	http://dx.doi.org/10.1088/1361-648X/ab494e
70	Geometry of variational methods: dynamics of closed quantum systems	Hackl, Lucas; Guaita, Tommaso; Shi, Tao; Haegeman, Jutho; Demler, Eugene; Cirac, J. Ignacio	SCIPOST PHYSICS	2020	9	4	48	http://dx.doi.org/10.21468/SciPostPhys.9.4.048
71	GKZ-hypergeometric systems for Feynman integrals	Feng, Tai-Fu; Chang, Chao-Hsi; Chen, Jian-Bin; Zhang, Hai-Bin	NUCLEAR PHYSICS B	2020	953		114952	http://dx.doi.org/10.1016/j.nuclphysb.2020.114952
72	Gluing affine Yangians with bi-fundamentals	Li, Wei	JOURNAL OF HIGH ENERGY PHYSICS	2020		6	-	http://dx.doi.org/10.1007/JHEP06(2020)182

73	Gravitational and electromagnetic radiation from binary black holes with electric and magnetic charges: Circular orbits on a cone	Liu, Lang; Christiansen, Oyvind; Guo, Zong-Kuan; Cai, Rong-Gen; Kim, Sang Pyo	PHYSICAL REVIEW D	2020	102	10	103520	http://dx.doi.org/10.1103/PhysRevD.102.103520
74	Gravitational wave imprint of new symmetry breaking	Chao, Wei; Cui, Wen-Feng; Guo, Huai-Ke; Shu, Jing	CHINESE PHYSICS C	2020	44	12	123102	http://dx.doi.org/10.1088/1674-1137/abb4cb
75	Gravitational waves from double-inflation-point inflation	Xu, Wu-Tao; Liu, Jing; Gao, Tie-Jun; Guo, Zong-Kuan	PHYSICAL REVIEW D	2020	101	2	23505	http://dx.doi.org/10.1103/PhysRevD.101.023505
76	Gravitational waves induced by scalar perturbations with a lognormal peak	Pi, Shi; Sasaki, Misao	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2020		9	37	http://dx.doi.org/10.1088/1475-7516/2020/09/037
77	Ground state properties and potential energy surfaces of (270)Hs from multidimensionally-constrained relativistic mean field model	Meng, Xu; Lu, BingNan; Zhou, ShanGui	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2020	63	1	212011	http://dx.doi.org/10.1007/s11433-019-9422-1
78	Hadronic cross section of e^+e^- annihilation at bottomonium energy region	Dong, Xiang-Kun; Mo, Xiao-Hu; Wang, Ping; Yuan, Chang-Zheng	CHINESE PHYSICS C	2020	44	8	83001	http://dx.doi.org/10.1088/1674-1137/44/8/083001
79	Helical phase inflation and its observational constraints	Sabir, Mudassar; Ahmed, Waqas; Gong, Yungui; Li, Tianjun; Lin, Jiong	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2020		9	38	http://dx.doi.org/10.1088/1475-7516/2020/09/038
80	Hidden analytic relations for two-loop Higgs amplitudes in QCD	Jin, Qingjun; Yang, Gang	COMMUNICATIONS IN THEORETICAL PHYSICS	2020	72	6	65201	http://dx.doi.org/10.1088/1572-9494/ab7ed8
81	Higgs boson decay $h \rightarrow Z \gamma$ and muon magnetic dipole moment in the $\mu \nu$ SSM	Liu, Chang-Xin; Zhang, Hai-Bin; Yang, Jin-Lei; Zhao, Shu-Min; Liu, Yu-Bin; Feng, Tai-Fu	JOURNAL OF HIGH ENERGY PHYSICS	2020		4	2	http://dx.doi.org/10.1007/JHEP04(2020)002
82	Holographic boiling and generalized thermodynamic description beyond local equilibrium	Li, Xin; Nie, Zhang-Yu; Tian, Yu	JOURNAL OF HIGH ENERGY PHYSICS	2020		9	63	http://dx.doi.org/10.1007/JHEP09(2020)063
83	Holographic complexity growth in an FLRW universe	An, Yu-Sen; Cai, Rong-Gen; Li, Li; Peng, Yuxuan	PHYSICAL REVIEW D	2020	101	4	46006	http://dx.doi.org/10.1103/PhysRevD.101.046006
84	Holographic Lifshitz superconductors with Weyl correction	Lu, Jun-Wang; Wu, Ya-Bo; Dong, Bao-Ping; Zhang, Yu	EUROPEAN PHYSICAL JOURNAL C	2020	80	11	1059	http://dx.doi.org/10.1140/epjc/s10052-020-08645-w
85	Holographic superfluid solitons with backreaction	Xu, Zhongshan; Du, Yiqiang; Erdmenger, Johanna; Meyer, Rene; Tian, Yu; Xian, Zhuo-Yu	PHYSICAL REVIEW D	2020	101	8	86011	http://dx.doi.org/10.1103/PhysRevD.101.086011
86	Holographic s-wave superconductors with conformal anomaly correction	Lu, Jun-Wang; Li, Huai-Fan; Wu, Ya-Bo	EUROPEAN PHYSICAL JOURNAL PLUS	2020	135	11	903	http://dx.doi.org/10.1140/epjp/s13360-020-00931-6
87	Hopes and concerns for astronomy of satellite constellations	Levchenko, Igor; Xu, Shuyan; Wu, Yue-Liang; Bazaka, Kateryna	NATURE ASTRONOMY	2020	4	11	1012-1014	http://dx.doi.org/10.1038/s41550-020-1141-0
88	How Radiation Propagates in Random Media: Spatial Structure of Transmission Eigenchannels	Fang, Ping; Tian, Chushun; Zhao, Liyi; Bliokh, Yury; Freilikher, Valentin; Nori, Franco	2020 14TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP 2020)	2020			-	
89	Implications for cosmology from ground-based Cosmic Microwave Background observations	Wang, Ke; Huang, Qing-Guo	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2020		6	45	http://dx.doi.org/10.1088/1475-7516/2020/06/045
90	Induced gravitational waves as a probe of thermal history of the universe	Domenech, Guillem; Pi, Shi; Sasaki, Misao	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2020		8	17	http://dx.doi.org/10.1088/1475-7516/2020/08/017
91	Infima statistics of entropy production in an underdamped Brownian motor	Cheng, Ke; Dong, Jia-Qi; Han, Wen-Hui; Liu, Fei; Huang, Liang	PHYSICAL REVIEW E	2020	102	6	62127	http://dx.doi.org/10.1103/PhysRevE.102.062127
92	Influence of the ion size on the stability of the smectic phase of ionic liquid crystals	Cao, Wudi; Senthikumar, Beeran; Causin, Valerio; Swamy, Vincent P.; Wang, Yanting; Saielli, Giacomo	SOFT MATTER	2020	16	2	411-420	http://dx.doi.org/10.1039/c9sm02115a
93	Information geometry in the population dynamics of bacteria	Zhang, Zihan; Guan, Shaohua; Shi, Hualin	JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT	2020	2020	7	73501	http://dx.doi.org/10.1088/1742-5468/ab96b0
94	Interpretation of the LHCb P-c States as Hadronic Molecules and Hints of a Narrow P-c (4380)	Du, Meng-Lin; Baru, Vadim; Guo, Feng-Kun; Hanhart, Christoph; Meissner, Ulf-G.; Oller, Jose A.; Wang, Qian	PHYSICAL REVIEW LETTERS	2020	124	7	72001	http://dx.doi.org/10.1103/PhysRevLett.124.072001
95	Invariance Principle for Wave Propagation inside Inhomogeneously Disordered Materials	Huang, Yiming; Tian, Chushun; Gopar, Victor A.; Fang, Ping; Genack, Azriel	PHYSICAL REVIEW LETTERS	2020	124	5	57401	http://dx.doi.org/10.1103/PhysRevLett.124.057401
96	Is the Hubble tension a hint of AdS phase around recombination?	Ye, Gen; Piao, Yun-Song	PHYSICAL REVIEW D	2020	101	8	83507	http://dx.doi.org/10.1103/PhysRevD.101.083507
97	Isospin-violating dark matter in a $U(1)'$ model inspired by E-6	Li, Tianjun; Xiang, Qian-Fei; Yan, Qi-Shu; Zhang, Xianhui; Zhou, Han	PHYSICAL REVIEW D	2020	101	3	35016	http://dx.doi.org/10.1103/PhysRevD.101.035016

98	Isovector parton distribution functions of the proton on a superfine lattice	Fan, Zhouyou; Gao, Xiang; Li, Ruizhi; Lin, Huey-Wen; Karthik, Nikhil; Mukherjee, Swagato; Petreczky, Peter; Syritsyn, Sergey; Yang, Yi-Bo; Zhang, Rui	PHYSICAL REVIEW D	2020	102	7	74504	http://dx.doi.org/10.1103/PhysRevD.102.074504
99	ISSEC: inferring contacts among protein secondary structure elements using deep object detection	Zhang, Qi; Zhu, Jianwei; Ju, Fusong; Kong, Lupeng; Sun, Shiwei; Zheng, Wei-Mou; Bu, Dongbo	BMC BIOINFORMATICS	2020	21	1	503	http://dx.doi.org/10.1186/s12859-020-03793-y
100	$J/\psi \rightarrow \gamma \pi^+ \pi^- \pi^0$ reactions and the $f_0(980)$ and $a_0(980)$ resonances	Sakai, S.; Liang, Wei-Hong; Toledo, G.; Oset, E.	PHYSICAL REVIEW D	2020	101	1	14005	http://dx.doi.org/10.1103/PhysRevD.101.014005
101	K- p Correlation Function from High-Energy Nuclear Collisions and Chiral SU(3) Dynamics	Kamiya, Yuki; Hyodo, Tetsuo; Morita, Kenji; Ohnishi, Akira; Weise, Wolfram	PHYSICAL REVIEW LETTERS	2020	124	13	132501	http://dx.doi.org/10.1103/PhysRevLett.124.132501
102	Lattice QCD Calculations of Transverse-Momentum-Dependent Soft Function through Large-Momentum Effective Theory	Zhang, Qi-An; Hua, Jun; Huo, Yikai; Ji, Xiangdong; Liu, Yizhuang; Liu, Yu-Sheng; Schlemmer, Maximilian; Schafer, Andreas; Sun, Peng; Wang, Wei; Yang, Yi-Bo	PHYSICAL REVIEW LETTERS	2020	125	19	192001	http://dx.doi.org/10.1103/PhysRevLett.125.192001
103	Lattice QCD GPU Inverters on ROCm Platform	Bi, Yujiang; Xiao, Yi; Guo, WeiYi; Gong, Ming; Sun, Peng; Xu, Shun; Yang, Yi-bo	24TH INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY AND NUCLEAR PHYSICS (CHEP 2019)	2020	245		9008	http://dx.doi.org/10.1051/epjconf/202024509008
104	Lattice study of two-photon decay widths for scalar and pseudo-scalar charmonium	Chen, Ying; Gong, Ming; Li, Ning; Liu, Chuan; Li, Yu-Bin; Liu, Zhaofeng; Ma, Jian-Ping; Meng, Yu; Xiong, Chao; Zhang, Ke-Long	CHINESE PHYSICS C	2020	44	8	83108	http://dx.doi.org/10.1088/1674-1137/44/8/083108
105	Left-right symmetric composite Higgs model	Guan, Cong-Sen; Ma, Teng; Shu, Jing	PHYSICAL REVIEW D	2020	101	3	35032	http://dx.doi.org/10.1103/PhysRevD.101.035032
106	LFV and (g-2) in non-universal SUSY models with light higgsinos	Han, C.; Lopez-Ibanez, M. L.; Melis, A.; Vives, O.; Wu, L.; Yang, J. M.	JOURNAL OF HIGH ENERGY PHYSICS	2020		5	102	http://dx.doi.org/10.1007/JHEP05(2020)102
107	Light gravitino dark matter: LHC searches and the Hubble tension	Gu, Yuchao; Khlopov, Maxim; Wu, Lei; Yang, Jin Min; Zhu, Bin	PHYSICAL REVIEW D	2020	102	11	115005	http://dx.doi.org/10.1103/PhysRevD.102.115005
108	Liquid-Liquid Phase Separation of Viologen Bistriflimide/Benzene Mixtures: Role of the Dual Ionic and Organic Nature of Ionic Liquids	Li, Shen; Safari, Niloufar; Saielli, Giacomo; Wang, Yanting	JOURNAL OF PHYSICAL CHEMISTRY B	2020	124	36	7929-7937	http://dx.doi.org/10.1021/acs.jpcc.0c03207
109	Logarithmic loop corrections, moduli stabilisation and de Sitter vacua in string theory	Antoniadis, Ignatios; Chen, Yifan; Leontaris, George K.	JOURNAL OF HIGH ENERGY PHYSICS	2020		1	149	http://dx.doi.org/10.1007/JHEP01(2020)149
110	Log-dependent slope of scalar induced gravitational waves in the infrared regions	Yuan, Chen; Chen, Zu-Cheng; Huang, Qing-Guo	PHYSICAL REVIEW D	2020	101	4	43019	http://dx.doi.org/10.1103/PhysRevD.101.043019
111	Loops and trees in generic EFTs	Craig, Nathaniel; Jiang, Minyuan; Li, Ying-Ying; Sutherland, Dave	JOURNAL OF HIGH ENERGY PHYSICS	2020		8	86	http://dx.doi.org/10.1007/JHEP08(2020)086
112	Macroscopic Quantum Superposition in Opto-Mechanical System with Ultrastrong Coupling Light-Matter Interaction	Zheng, Li; Chen, Dong-Ni; Peng, Zhen-Yang; Shi, Ying; Liu, Yu-Jie; Wang, Ying-Dan	INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS	2020	59	3	824-832	http://dx.doi.org/10.1007/s10773-019-04368-1
113	Magnetic Deformation Theory of a Vesicle	Shu, Yao-Gen; Ou-Yang, Zhong-Can	COMMUNICATIONS IN COMPUTATIONAL PHYSICS	2020	28	4	1352-1365	http://dx.doi.org/10.4208/cicp.OA-2019-0179
114	Magnetophonons & type-B Goldstones from hydrodynamics to holography	Baggioli, Matteo; Grienering, Sebastian; Li, Li	JOURNAL OF HIGH ENERGY PHYSICS	2020		9	37	http://dx.doi.org/10.1007/JHEP09(2020)037
115	Magnetotransport and complexity of holographic metal-insulator transitions	An, Yu-Sen; Ji, Teng; Li, Li	JOURNAL OF HIGH ENERGY PHYSICS	2020		10	23	http://dx.doi.org/10.1007/JHEP10(2020)023
116	Mass bound for primordial black hole from trans-Planckian censorship conjecture	Cai, Rong-Gen; Wang, Shao-Jiang	PHYSICAL REVIEW D	2020	101	4	43508	http://dx.doi.org/10.1103/PhysRevD.101.043508
117	Mass spectra and wave functions of the doubly heavy baryons with $J(P)=1(+)$ heavy diquark cores	Li, Qiang; Chang, Chao-Hsi; Qin, Si-Xue; Wang, Guo-Li	CHINESE PHYSICS C	2020	44	1	13102	http://dx.doi.org/10.1088/1674-1137/44/1/013102
118	Maximally flexible solutions of a random K-satisfiability formula	Zhao, Han; Zhou, Hai-Jun	PHYSICAL REVIEW E	2020	102	1	12301	http://dx.doi.org/10.1103/PhysRevE.102.012301
119	Measuring H-0 from low-z datasets	Zhang, Xue; Huang, Qing-Guo	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2020	63	9	290402	http://dx.doi.org/10.1007/s11433-019-1504-8
120	Merger rate distribution of primordial black hole binaries with electric charges	Liu, Lang; Guo, Zong-Kuan; Cai, Rong-Gen; Kim, Sang Pyo	PHYSICAL REVIEW D	2020	102	4	43508	http://dx.doi.org/10.1103/PhysRevD.102.043508
121	Mimicking an expanding universe by optical interference in a helicoid waveguide	Liang, Guo-Hua; Cai, Rong G.; Ma, Yin-Zhe; He, Run-Qiu; Zhu, Shining; Liu, Hui	OPTICS EXPRESS	2020	28	8	11406-11414	http://dx.doi.org/10.1364/OE.392564
122	Minimal neutral naturalness model	Xu, Ling-Xiao; Yu, Jiang-Hao; Zhu, Shou-hua	PHYSICAL REVIEW D	2020	101	9	95014	http://dx.doi.org/10.1103/PhysRevD.101.095014

123	Modeling Elastically Mediated Liquid-Liquid Phase Separation	Wei, Xuefeng; Zhou, Jiajia; Wang, Yanting; Meng, Fanlong	PHYSICAL REVIEW LETTERS	2020	125	26	268001	http://dx.doi.org/10.1103/PhysRevLett.125.268001
124	Muon and electron $g - 2$ and lepton masses in flavor models	Calibbi, Lorenzo; Lopez-Ibanez, M. L.; Melis, Aurora; Vives, Oscar	JOURNAL OF HIGH ENERGY PHYSICS	2020		6	87	http://dx.doi.org/10.1007/JHEP06(2020)087
125	Natural Higgs inflation, gauge coupling unification, and neutrino masses	Chen, Heng-Yu; Gogoladze, Iliia; Hu, Shan; Li, Tianjun; Wu, Lina	INTERNATIONAL JOURNAL OF MODERN PHYSICS A	2020	35	21	2050117	http://dx.doi.org/10.1142/S0217751X20501171
126	Neural network model for structure factor of polymer systems	Huang, Jie; Li, Shibei; Zhang, Xinghua; Huang, Gang	JOURNAL OF CHEMICAL PHYSICS	2020	153	12	124902	http://dx.doi.org/10.1063/5.0022464
127	New parametrization of the form factors in $(B)\text{over-bar} \rightarrow D(\text{nu})\text{over-bar}(l)$ decays	Yao, De-Liang; Fernandez-Soler, Pedro; Guo, Feng-Kun; Nieves, Juan	PHYSICAL REVIEW D	2020	101	3	34014	http://dx.doi.org/10.1103/PhysRevD.101.034014
128	Next-to-leading order QCD corrections to the production of $B - c$ and $B - c^*$ through W^+ -boson decays	Zheng, Xu-Chang; Chang, Chao-Hsi; Wu, Xing-Gang; Zeng, Jun; Huang, Xu-Dong	PHYSICAL REVIEW D	2020	101	3	34029	http://dx.doi.org/10.1103/PhysRevD.101.034029
129	Nodal Andreev spectra in multi-Majorana three-terminal Josephson junctions	Sakurai, Keimei; Mercaldo, Maria Teresa; Kobayashi, Shingo; Yamakage, Ai; Ikegaya, Satoshi; Habe, Tetsuro; Kotetes, Panagiotis; Cuoco, Mario; Asano, Yasuhiro	PHYSICAL REVIEW B	2020	101	17	174506	http://dx.doi.org/10.1103/PhysRevB.101.174506
130	Non-Abelian vector boson as FIMP dark matter	Barman, Basabendu; Bhattacharya, Subhaditya; Zakeri, Mohammadreza	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2020		2	29	http://dx.doi.org/10.1088/1475-7516/2020/02/029
131	Non-Hermitian Floquet topological superconductors with multiple Majorana edge modes	Zhou, Longwen	PHYSICAL REVIEW B	2020	101	1	14306	http://dx.doi.org/10.1103/PhysRevB.101.014306
132	Notes on polytopes, amplitudes and boundary configurations for Grassmannian string integrals	He, Song; Ren, Lecheng; Zhang, Yong	JOURNAL OF HIGH ENERGY PHYSICS	2020		4	140	http://dx.doi.org/10.1007/JHEP04(2020)140
133	Nucleon isovector tensor charge from lattice QCD using chiral fermions	Horkel, Derek; Bi, Yujiang; Constantinou, Martha; Draper, Terrence; Liang, Jian; Liu, Keh-Fei; Liu, Zhaofeng; Yang, Yi-Bo	PHYSICAL REVIEW D	2020	101	9	94501	http://dx.doi.org/10.1103/PhysRevD.101.094501
134	Numerical analysis of neutrino physics within a high-scale supersymmetry model via machine learning	Lei, Ying-Ke; Liu, Chun; Chen, Zhiqiang	MODERN PHYSICS LETTERS A	2020	35	26	2050218	http://dx.doi.org/10.1142/S0217732320502181
135	On positive geometry and scattering forms for matter particles	Herrderschee, Aidan; He, Song; Teng, Fei; Zhang, Yong	JOURNAL OF HIGH ENERGY PHYSICS	2020		6	30	http://dx.doi.org/10.1007/JHEP06(2020)030
136	On the coverage of neutralino dark matter in coannihilations at the upgraded LHC	Abdughani, Murat; Wu, Lei	EUROPEAN PHYSICAL JOURNAL C	2020	80	3	233	http://dx.doi.org/10.1140/epjc/s10052-020-7793-1
137	On the detection of closed orbits in time-dependent systems by using double-pulse lasers	Khan, S. U.; Du, M. L.	COMMUNICATIONS IN THEORETICAL PHYSICS	2020	72	9	95503	http://dx.doi.org/10.1088/1572-9494/aba23e
138	On the $\phi(3)$ theory above six dimensions	Rong, Junchen; Zhu, Jierong	JOURNAL OF HIGH ENERGY PHYSICS	2020		4	151	http://dx.doi.org/10.1007/JHEP04(2020)151
139	On the singular behavior of the chirality-odd twist-3 parton distribution $e(x)$	Ma, J. P.; Zhang, G. P.	PHYSICS LETTERS B	2020	811		135947	http://dx.doi.org/10.1016/j.physletb.2020.135947
140	On the symmetry of $T(T)\text{over-bar}$ deformed CFT	He, Miao; Gao, Yi-hong	NUCLEAR PHYSICS B	2020	960		115205	http://dx.doi.org/10.1016/j.nuclphysb.2020.115205
141	One-loop correlators and BCJ numerators from forward limits	Edison, Alex; He, Song; Schlotterer, Oliver; Teng, Fei	JOURNAL OF HIGH ENERGY PHYSICS	2020		9	79	http://dx.doi.org/10.1007/JHEP09(2020)079
142	On-shell methods for form factors in $N=4$ SYM and their applications	Yang, Gang	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2020	63	7	270001	http://dx.doi.org/10.1007/s11433-019-1507-0
143	PandaX limits on the light dark matter with a light mediator in the singlet extension of MSSM	Wang, Wenyu; Wu, Jia-Jun; Xiong, Zhao-Hua; Zhao, Jun	CHINESE PHYSICS C	2020	44	6	63102	http://dx.doi.org/10.1088/1674-1137/44/6/063102
144	Partition functions of $N=1$ gauge theories on $S^2 \times R$ -epsilon(2) and duality	Kimura, Taro; Nian, Jun; Zhao, Peng	INTERNATIONAL JOURNAL OF MODERN PHYSICS A	2020	35	33	2050207	http://dx.doi.org/10.1142/S0217751X20502073
145	Photoproduction of hidden-bottom pentaquark and related topics	Cao, Xu; Guo, Feng-Kun; Liang, Yu-Tie; Wu, Jia-Jun; Xie, Ju-Jun; Xie, Ya-Ping; Yang, Zhi; Zou, Bing-Song	PHYSICAL REVIEW D	2020	101	7	74010	http://dx.doi.org/10.1103/PhysRevD.101.074010
146	Positivity in the effective field theory of cosmological perturbations	Ye, Gen; Piao, Yun-Song	EUROPEAN PHYSICAL JOURNAL C	2020	80	5	421	http://dx.doi.org/10.1140/epjc/s10052-020-7973-z
147	Possibility of studying the effects of the DM-electron scattering on the cosmic microwave background based on simple assumptions	Chen, Lu	INTERNATIONAL JOURNAL OF MODERN PHYSICS D	2020	29	7	2050049	http://dx.doi.org/10.1142/S0218271820500492
148	Possible precise measurements of the $X(3872)$ mass with the $e^+e^- \rightarrow \pi^0\gamma X(3872)$ and $p(\text{pover-bar}) \rightarrow \gamma X(3872)$ reactions	Sakai, Shuntaro; Jing, Hao-Jie; Guo, Feng-Kun	PHYSICAL REVIEW D	2020	102	11	114041	http://dx.doi.org/10.1103/PhysRevD.102.114041
149	Precision calculation of the axion-nucleon coupling in chiral perturbation theory	Vonk, Thomas; Guo, Feng-Kun; Meissner, Ulf-G	JOURNAL OF HIGH ENERGY PHYSICS	2020		3	138	http://dx.doi.org/10.1007/JHEP03(2020)138

150	Prediction of an exotic state around 4240 MeV with $J(PC)=1(++)$ as the C-parity partner of $\Upsilon(4260)$ in a molecular picture	Dong, Xiang-Kun; Lin, Yong-Hui; Zou, Bing-Song	PHYSICAL REVIEW D	2020	101	7	76003	http://dx.doi.org/10.1103/PhysRevD.101.076003
151	Pre-inflation and trans-Planckian censorship	Cai, Yong; Piao, YunSong	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2020	63	11	110411	http://dx.doi.org/10.1007/s11433-020-1573-5
152	Primordial black holes and gravitational waves from parametric amplification of curvature perturbations	Cai, Rong-Gen; Guo, Zong-Kuan; Liu, Jing; Liu, Lang; Yang, Xing-Yu	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2020		6	13	http://dx.doi.org/10.1088/1475-7516/2020/06/013
153	Primordial black holes and gravitational waves from resonant amplification during inflation	Zhou, Zihan; Jiang, Jie; Cai, Yi-Fu; Sasaki, Misao; Pi, Shi	PHYSICAL REVIEW D	2020	102	10	103527	http://dx.doi.org/10.1103/PhysRevD.102.103527
154	Primordial black holes from cosmic domain walls	Liu, Jing; Guo, Zong-Kuan; Cai, Rong-Gen	PHYSICAL REVIEW D	2020	101	2	23513	http://dx.doi.org/10.1103/PhysRevD.101.023513
155	Probing Axions with Event Horizon Telescope Polarimetric Measurements	Chen, Yifan; Shu, Jing; Xue, Xiao; Yuan, Qiang; Zhao, Yue	PHYSICAL REVIEW LETTERS	2020	124	6	61102	http://dx.doi.org/10.1103/PhysRevLett.124.061102
156	Probing Omega Omega and p Omega dibaryons with femtosopic correlations in relativistic heavy-ion collisions	Morita, Kenji; Gongyo, Shinya; Hatsuda, Tetsuo; Hyodo, Tetsuo; Kamiya, Yuki; Ohnishi, Akira	PHYSICAL REVIEW C	2020	101	1	15201	http://dx.doi.org/10.1103/PhysRevC.101.015201
157	Probing stops in the coannihilation region at the HL-LHC: A comparative study of different processes	Duan, Guang Hua; Fan, Xiang; Hikasa, Ken-ichi; Peng, Bo; Yang, Jin Min	PHYSICS LETTERS B	2020	810		135800	http://dx.doi.org/10.1016/j.physletb.2020.135800
158	Probing the EVH limit of supersymmetric AdS black holes	Goldstein, Kevin; Jejjala, Vishnu; Lei, Yang; van Leuven, Sam; Li, Wei	JOURNAL OF HIGH ENERGY PHYSICS	2020		2	154	http://dx.doi.org/10.1007/JHEP02(2020)154
159	Production of proton-rich actinide nuclei in the multinucleon transfer reaction Ni-58+Th-232	Wu, ZhenJi; Guo, Lu	SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY	2020	63	4	242021	http://dx.doi.org/10.1007/s11433-019-1484-0
160	Prospects of light sterile neutrino searches in long-baseline neutrino oscillations	Reyimuaji, Yakefu; Liu, Chun	JOURNAL OF HIGH ENERGY PHYSICS	2020		6	94	http://dx.doi.org/10.1007/JHEP06(2020)094
161	Pseudoscalar pair production via off-shell Higgs in composite Higgs models	Franzosi, Diogo Buarque; Ferretti, Gabriele; Huang, Li; Shu, Jing	SCIPOST PHYSICS	2020	9	5	77	http://dx.doi.org/10.21468/SciPostPhys.9.5.077
162	Pulsar Timing Array Constraints on Primordial Black Holes with NANOGrav 11-Year Dataset	Chen, Zu-Cheng; Yuan, Chen; Huang, Qing-Guo	PHYSICAL REVIEW LETTERS	2020	124	25	251101	http://dx.doi.org/10.1103/PhysRevLett.124.251101
163	QCD theta-vacuum energy and axion properties	Lu, Zhen-Yan; Du, Meng-Lin; Guo, Feng-Kun; Meissner, Ulf-G; Vonk, Thomas	JOURNAL OF HIGH ENERGY PHYSICS	2020		5	1	http://dx.doi.org/10.1007/JHEP05(2020)001
164	Quantitative Connection between Cell Size and Growth Rate by Phospholipid Metabolism	Zhang, Zhichao; Zhang, Qing; Guan, Shaohua; Shi, Hualin	CELLS	2020	9	2	391	http://dx.doi.org/10.3390/cells9020391
165	Quiver Yangian from crystal melting	Li, Wei; Yamazaki, Masahito	JOURNAL OF HIGH ENERGY PHYSICS	2020		11	35	http://dx.doi.org/10.1007/JHEP11(2020)035
166	Radiative decay of hadronic molecule state for quarks	Chen, Xiaozhao; Lu, Xiaofu; Shi, Renbin; Guo, Xiurong; Wang, Qingbiao	PHYSICAL REVIEW D	2020	101	1	14009	http://dx.doi.org/10.1103/PhysRevD.101.014009
167	Ratio of strange to u/d momentum fraction in disconnected insertions	Liang, Jian; Sun, Mingyang; Yang, Yi-Bo; Draper, Terrence; Liu, Keh-Fei	PHYSICAL REVIEW D	2020	102	3	34514	http://dx.doi.org/10.1103/PhysRevD.102.034514
168	Real-time mass spectrometric characterization of the solid-electrolyte interphase of a lithium-ion battery	Zhou, Yufan; Su, Mao; Yu, Xiaofei; Zhang, Yanyan; Wang, Jun-Gang; Ren, Xiaodi; Cao, Ruiguo; Xu, Wu; Baer, Donald R.; Du, Yingge; Borodin, Oleg; Wang, Yanting; Wang, Xue-Lin; Xu, Kang; Xu, Zhijie; Wang, Chongmin; Zhu, Zihua	NATURE NANOTECHNOLOGY	2020	15	3	224+	http://dx.doi.org/10.1038/s41565-019-0618-4
169	Reanalysis of the newly observed Omega* state in a hadronic molecule model	Lin, Yong-Hui; Wang, Fei; Zou, Bing-Song	PHYSICAL REVIEW D	2020	102	7	74025	http://dx.doi.org/10.1103/PhysRevD.102.074025
170	Recently observed P-c as molecular states and possible mixture of P-c (4457)	Xu, Hao; Li, Qiang; Chang, Chao-Hsi; Wang, Guo-Li	PHYSICAL REVIEW D	2020	101	5	54037	http://dx.doi.org/10.1103/PhysRevD.101.054037
171	Revisit on holographic complexity in two-dimensional gravity	Cai, Rong-Gen; He, Song; Wang, Shao-Jiang; Zhang, Yu-Xuan	JOURNAL OF HIGH ENERGY PHYSICS	2020		8	102	http://dx.doi.org/10.1007/JHEP08(2020)102
172	Revisiting $X(3872) \rightarrow D\text{-}0(D)\text{over-bar}(0)\pi(0)$ in an effective field theory for the $X(3872)$	Dai, Lin; Guo, Feng-Kun; Mehen, Thomas	PHYSICAL REVIEW D	2020	101	5	54024	http://dx.doi.org/10.1103/PhysRevD.101.054024
173	Role of $N^*(1535)$ in the $\Lambda\text{bda}(+)\text{c} \rightarrow (K)\text{over-bar}(0)\text{eta p}$ decay and the possible ϕ p state in the $\Lambda\text{bda}(+)\text{c} \rightarrow \pi(0)\phi$ p decay	Xie, Ju-Jun; Geng, Li-Sheng; Guo, Feng-Kun	12TH INTERNATIONAL WORKSHOP ON THE PHYSICS OF EXCITED NUCLEONS (NSTAR 2019)	2020	241		2010	http://dx.doi.org/10.1051/epjconf/202024102010

174	Role of the triangle mechanism in the $\Lambda(b) \rightarrow \Lambda(c)\pi(-) f(0)(980)$ reaction	Sakai, Shuntaro	PHYSICAL REVIEW D	2020	101	7	74041	http://dx.doi.org/10.1103/PhysRevD.101.074041
175	Roper state from overlap fermions	Sun, Mingyang; Chen, Ying; Wang, Gen; Alexandru, Andrei; Dong, Shao-Jing; Draper, Terrence; Fallica, Jacob; Gong, Ming; Lee, Frank X.; Li, Anyi; Liang, Jian; Liu, Keh-Fei; Mathur, Nilmani; Yang, Yi-Bo	PHYSICAL REVIEW D	2020	101	5	54511	http://dx.doi.org/10.1103/PhysRevD.101.054511
176	Scalar induced gravitational waves in different gauges	Yuan, Chen; Chen, Zu-Cheng; Huang, Qing-Guo	PHYSICAL REVIEW D	2020	101	6	63018	http://dx.doi.org/10.1103/PhysRevD.101.063018
177	Scale-invariance in the repeating fast radio burst 121102	Lin, Hai-Nan; Sang, Yu	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2020	491	2	2156-2161	http://dx.doi.org/10.1093/mnras/stz3149
178	Scattering of massless scalar field by charged dilatonic black holes	Huang, Yang; Zhang, Hongsheng	EUROPEAN PHYSICAL JOURNAL C	2020	80	7	654	http://dx.doi.org/10.1140/epjc/s10052-020-8228-8
179	Schwinger effect from near-extremal black holes in (A)dS space	Chen, Chiang-Mei; Kim, Sang Pyo	PHYSICAL REVIEW D	2020	101	8	85014	http://dx.doi.org/10.1103/PhysRevD.101.085014
180	Schwinger effect in near-extremal charged black holes in high dimensions	Cai, Rong-Gen; Chen, Chiang-Mei; Kim, Sang Pyo; Sun, Jia-Rui	PHYSICAL REVIEW D	2020	101	10	105015	http://dx.doi.org/10.1103/PhysRevD.101.105015
181	Searching for long-lived particles beyond the Standard Model at the Large Hadron Collider	Alimena, Juliette; Beacham, James; Borsato, Martino; Cheng, Yangyang; Vidal, Xabier Cid; Cottin, Giovanna; Curtin, David; De Roeck, Albert; Desai, Nishita; Evans, Jared A.; Knapen, Simon; Kraml, Sabine; Lessa, Andre; Liu, Zhen; Mehlhase, Sascha; Ramsey-Musolf, Michael J.; Russell, Heather; Shelton, Jessie; Shuve, Brian; Verducci, Monica; Zurita, Jose; Adams, Todd; Adersberger, Michael; Alpigiani, Cristiano; Apresyan, Artur; Bainbridge, Robert John; Batzskaya, Varvara; Beauchesne, Hugues; Benato, Lisa; Berlendis, S.; Bhal, Eshwen; Blekman, Freya; Borovilou, Christina; Boyd, Jamie; Brau, Benjamin P.; Bryngemark, Lene; Buchmueller, Oliver; Buschmann, Malte; Buttinger, William; Campanelli, Mario; Cesarotti, Cari; Chen, Chunhui; Cheng, Hsin-Chia; Cheong, Sanha; Citron, Matthew; Coccaro, Andrea; Coco, V; Conte, Eric; Cormier, Felix; Corpe, Louie D.; Craig, Nathaniel; Cui, Yanou; Dall'Occo, Elena; Dallapiccola, C.; Darwish, M. R.; Davoli, Alessandro; Cosa, Annapaola de; Simone, Andrea De; Rose, Luigi Delle; Deppisch, Frank F.; Dey, Biplab; Diamond, Miriam D.; Dienes, Keith R.; Dildick, Sven; Doebrich, Babette; Drewes, Marco; Eich, Melanie; ElSawy, M.; Valle, Alberto Escalante del; Facini, Gabriel;	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	2020	47	9	90501	http://dx.doi.org/10.1088/1361-6471/ab4574
182	Searching for primordial black holes with stochastic gravitational-wave background in the space-based detector frequency band	Wang, Yi-Fan; Huang, Qing-Guo; Li, Tjonnie G. F.; Liao, Shihong	PHYSICAL REVIEW D	2020	101	6	63019	http://dx.doi.org/10.1103/PhysRevD.101.063019
183	Selected Science Opportunities for the EIC	Chen, Xurong; Guo, Feng-Kun; Roberts, Craig D.; Wang, Rong	FEW-BODY SYSTEMS	2020	61	4	43	http://dx.doi.org/10.1007/s00601-020-01574-0
184	Self-duality triggered dynamical transition	Guarneri, Italo; Tian, Chushun; Wang, Jiao	PHYSICAL REVIEW B	2020	102	4	45433	http://dx.doi.org/10.1103/PhysRevB.102.045433
185	Self-falsifiable hierarchical detection of overlapping communities on social networks	Li, Tianyi; Zhang, Pan	NEW JOURNAL OF PHYSICS	2020	22	3	33014	http://dx.doi.org/10.1088/1367-2630/ab73ca
186	Short-Lived alpha-Emitting Isotope $Np-222$ and the Stability of the $N=126$ Magic Shell	Ma, L.; Zhang, Z. Y.; Gan, Z. G.; Zhou, X. H.; Yang, H. B.; Huang, M. H.; Yang, C. L.; Zhang, M. M.; Tian, Y. L.; Wang, Y. S.; Zhou, H. B.; He, X. T.; Mao, Y. C.; Hua, W.; Duan, L. M.; Huang, W. X.; Liu, Z.; Xu, X. X.; Ren, Z. Z.; Zhou, S. G.; Xu, H. S.	PHYSICAL REVIEW LETTERS	2020	125	3	32502	http://dx.doi.org/10.1103/PhysRevLett.125.032502
187	Simple model for large CP violation in charm decays, B-physics anomalies, $\mu\text{on } g-2$ and dark matter	Calibbi, Lorenzo; Li, Tianjun; Li, Ying; Zhu, Bin	JOURNAL OF HIGH ENERGY PHYSICS	2020	10	70		http://dx.doi.org/10.1007/JHEP10(2020)070
188	Singular solutions in soft limits	Cachazo, Freddy; Umbert, Bruno; Zhang, Yong	JOURNAL OF HIGH ENERGY PHYSICS	2020	5	148		http://dx.doi.org/10.1007/JHEP05(2020)148
189	Size-dependent melting behavior of nanowires in lattice dynamical approach	Cui, Yang; Feng, Delong; Sui, Xiaohong; Qin, Shaojing	PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES	2020	115		113673	http://dx.doi.org/10.1016/j.physe.2019.113673

190	Skymion stability at finite isospin chemical potential and temperature	Yuan, Wen-Li; Xu, Zhen-Ni; Zhang, Jin-Li; Zong, Hong-Shi	CHINESE PHYSICS C	2020	44	1	14103	http://dx.doi.org/10.1088/1674-1137/44/1/014103
191	Spin excitations in dipolar spin-1 condensates	Deng, Sheng-Xiong; Shi, Tao; Yi, Su	PHYSICAL REVIEW A	2020	102	1	13305	http://dx.doi.org/10.1103/PhysRevA.102.013305
192	Spin-dependent two-photon Bragg scattering in the Kapitza-Dirac effect	Ahrens, Sven; Liang, Zhenfeng; Cadez, Tilen; Shen, Baifei	PHYSICAL REVIEW A	2020	102	3	33106	http://dx.doi.org/10.1103/PhysRevA.102.033106
193	Statistical mechanics of a nonequilibrium steady-state classical particle system driven by a constant external force	Yao, Jie; Wang, Yanting	COMMUNICATIONS IN THEORETICAL PHYSICS	2020	72	11	115601	http://dx.doi.org/10.1088/1572-9494/abb7d2
194	Strength of pairing interaction for hyperons in multistrangeness hypernuclei	Rong, Yu-Ting; Zhao, Pengwei; Zhou, Shan-Gui	PHYSICS LETTERS B	2020	807		135533	http://dx.doi.org/10.1016/j.physletb.2020.135533
195	Stringy canonical forms and binary geometries from associahedra, cyclohedra and generalized permutohedra	He, Song; Li, Zhenjie; Raman, Prashanth; Zhang, Chi	JOURNAL OF HIGH ENERGY PHYSICS	2020		10	54	http://dx.doi.org/10.1007/JHEP10(2020)054
196	Study of ground state properties of carbon isotopes with deformed relativistic Hartree-Bogoliubov theory in continuum	Sun, Xiang-Xiang; Zhao, Jie; Zhou, Shan-Gui	NUCLEAR PHYSICS A	2020	1003		122011	http://dx.doi.org/10.1016/j.nuclphysa.2020.122011
197	SU(3)(C) x SU(3)(L) x U(1)(X) model from SU(6)	Li, Tianjun; Pei, Junle; Xu, Fangzhou; Zhang, Wenxing	PHYSICAL REVIEW D	2020	102	1	16004	http://dx.doi.org/10.1103/PhysRevD.102.016004
198	Superconformal partial waves for stress-tensor multiplet correlator in 4DN=2 SCFTs	Li, Zhijin	JOURNAL OF HIGH ENERGY PHYSICS	2020		5	-	http://dx.doi.org/10.1007/JHEP05(2020)101
199	Supercritically charged objects and electron-positron pair creation	Xia, Cheng-Jun; Xue, She-Sheng; Xu, Ren-Xin; Zhou, Shan-Gui	PHYSICAL REVIEW D	2020	101	10	103031	http://dx.doi.org/10.1103/PhysRevD.101.103031
200	T-0 censorship of early dark energy and AdS vacua	Ye, Gen; Piao, Yun-Song	PHYSICAL REVIEW D	2020	102	8	83523	http://dx.doi.org/10.1103/PhysRevD.102.083523
201	Taiji program: Gravitational-wave sources	Ruan, Wen-Hong; Guo, Zong-Kuan; Cai, Rong-Gen; Zhang, Yuan-Zhong	INTERNATIONAL JOURNAL OF MODERN PHYSICS A	2020	35	17	2050075	http://dx.doi.org/10.1142/S0217751X2050075X
202	Tail wavelets in merger of binary compact objects*	Lin, Kai; Qian, Wei-Liang; Fan, Xilong; Zhang, Hongsheng	CHINESE PHYSICS C	2020	44	7	71001	http://dx.doi.org/10.1088/1674-1137/44/7/071001
203	The Belle II Physics Book (Dec, 10.1093/ptep/ptz106, 2019)	Kou, E.; Urquijo, P.; Altmannshofer, W.; Beaujean, F.; Bell, G.; Beneke, M.; Bigi, I. I.; Bishara, F.; Blanke, M.; Bobeth, C.; Bona, M.; Brambilla, N.; Braun, V. M.; Brod, J.; Buras, A. J.; Cheng, H. Y.; Chiang, C. W.; Ciuchini, M.; Colangelo, G.; Crivellin, A.; Czyz, H.; Datta, A.; De Fazio, F.; Deppisch, T.; Dolan, M. J.; Evans, J.; Fajfer, S.; Feldmann, T.; Godfrey, S.; Gronau, M.; Grossman, Y.; Guo, F. K.; Haisch, U.; Hanhart, C.; Hashimoto, S.; Hirose, S.; Hisano, J.; Hofer, L.; Hoferichter, M.; Hou, W. S.; Huber, T.; Hurth, T.; Jaeger, S.; Jahn, S.; Jamin, M.; Jones, J.; Jung, M.; Kagan, A. L.; Kahlhoefer, F.; Kamenik, J. F.; Kaneko, T.; Kiyo, Y.; Kokulu, A.; Kosnik, N.; Kronfeld, A. S.; Ligeti, Z.; Logan, H.; Lu, C. D.; Lubicz, V.; Mahmoudi, F.; Maltman, K.; Mishima, S.; Misiak, M.; Moats, K.; Moussallam, B.; Nefediev, A.; Nierste, U.; Nomura, D.; Offen, N.; Olsen, S. L.; Passemar, E.; Paul, A.; Paz, G.; Petrov, A. A.; Pich, A.; Polosa, A. D.; Pradler, J.; Prelovsek, S.; Procura, M.; Ricciardi, G.; Robinson, D. J.; Roig, P.; Rosiek, J.; Schacht, S.; Schmidt-Hoberg, K.; Schwichtenberg, J.; Sharpe, S. R.; Shigemitsu, J.; Shih, D.; Shimizu, N.; Shimizu, Y.; Silvestrini, L.; Simula, S.; Smith, C.; Stoffer, P.; Straub, D.; Tackmann, F. J.; Tanaka, M.; Tayduganov, A.; Tetlalmatzi-	PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS	2020	2020	2	29201	http://dx.doi.org/10.1093/ptep/ptaa008
204	The boundary theory of a spinor field theory on the Bruhat-Tits tree	Qu, Feng; Gao, Yi-hong	PHYSICS LETTERS B	2020	803		135331	http://dx.doi.org/10.1016/j.physletb.2020.135331
205	The D → rho semileptonic and radiative decays within the light-cone sum rules	Fu, Hai-Bing; Zeng, Long; Lu, Rong; Cheng, Wei; Wu, Xing-Gang	EUROPEAN PHYSICAL JOURNAL C	2020	80	3	194	http://dx.doi.org/10.1140/epjc/s10052-020-7758-4
206	The four-loop cusp anomalous dimension from the N=4 Sudakov form factor	Huber, Tobias; von Manteuffel, Andreas; Panzer, Erik; Schabinger, Robert M.; Yang, Gang	PHYSICS LETTERS B	2020	807		135543	http://dx.doi.org/10.1016/j.physletb.2020.135543
207	The Impact of Single Top Data on CT14nnlo PDFs	Ablat, Alim; Dulat, Sayipjamal; Rashidin, Reyima; Ruzi, Alim; Yalkun, Nijat	INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS	2020	59	10	3023-3031	http://dx.doi.org/10.1007/s10773-020-04473-6
208	The light sgoldstino phenomenology: explanations for the muon (g-2) deviation and KOTO anomaly	Liu, Xuewen; Li, Ying; Li, Tianjun; Zhu, Bin	JOURNAL OF HIGH ENERGY PHYSICS	2020		10	197	http://dx.doi.org/10.1007/JHEP10(2020)197

209	The LISA-Taiji network	Ruan, Wen-Hong; Liu, Chang; Guo, Zong-Kuan; Wu, Yue-Liang; Cai, Rong-Gen	NATURE ASTRONOMY	2020	4	2	108-109	http://dx.doi.org/10.1038/s41550-019-1008-4
210	The quirk trajectory	Li, Jinmian; Li, Tianjun; Pei, Junle; Zhang, Wenxing	EUROPEAN PHYSICAL JOURNAL C	2020	80	7	651	http://dx.doi.org/10.1140/epjc/s10052-020-8209-y
211	The upper bounds on supersymmetry breaking scales in split supersymmetry from the Higgs mass and electroweak vacuum stability	Ahmed, Waqas; Mansha, Adeel; Li, Tianjun; Raza, Shabbar; Roy, Joydeep; Xu, Fangzhou	PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS	2020	2020	4	043B08	http://dx.doi.org/10.1093/ptep/ptaa041
212	Theoretical analysis of the doubly radiative decays $\eta(1^1D_2) \rightarrow \pi(0)\gamma\gamma$ and $\eta' \rightarrow \eta\gamma\gamma$	Escribano, Rafel; Gonzalez-Solis, Sergi; Jora, Renata; Royo, Emilio	PHYSICAL REVIEW D	2020	102	3	34026	http://dx.doi.org/10.1103/PhysRevD.102.034026
213	Theoretical interpretation of $\chi(c)(2970)$	Zhao, Ze	PHYSICAL REVIEW D	2020	102	9	96021	http://dx.doi.org/10.1103/PhysRevD.102.096021
214	Theoretical Study of the Fidelity of Transcription	Shu, Yao-Gen; Li, Ming; Ou-Yang, Zhong-Can	PROCEEDINGS OF THE 13TH INTERNATIONAL JOINT CONFERENCE ON BIOMEDICAL ENGINEERING SYSTEMS AND TECHNOLOGIES, VOL 3: BIOINFORMATICS	2020			239-241	http://dx.doi.org/10.5220/0009181002390241
215	Thermodynamics and susceptibilities of isospin imbalanced QCD matter	Lu, Zhen-Yan; Xia, Cheng-Jun; Ruggieri, Marco	EUROPEAN PHYSICAL JOURNAL C	2020	80	1	46	http://dx.doi.org/10.1140/epjc/s10052-020-7614-6
216	Three body first post-Newtonian effects on the secular dynamics of a compact binary near a spinning supermassive black hole	Fang, Yun; Huang, Qing-Guo	PHYSICAL REVIEW D	2020	102	10	104002	http://dx.doi.org/10.1103/PhysRevD.102.104002
217	Threshold cusps and triangle singularities in hadronic reactions	Guo, Feng-Kun; Liu, Xiao-Hai; Sakai, Shuntaro	PROGRESS IN PARTICLE AND NUCLEAR PHYSICS	2020	112		103757	http://dx.doi.org/10.1016/j.pnnp.2020.103757
218	Time crystals in primordial perturbations	Li, Hao-Hao; Piao, Yun-Song	PHYSICS LETTERS B	2020	801		135156	http://dx.doi.org/10.1016/j.physletb.2019.135156
219	Time-dependent generator coordinate method study of fission: Mass parameters	Zhao, Jie; Niksic, Tamara; Vretenar, Dario; Zhou, Shan-Gui	PHYSICAL REVIEW C	2020	101	6	64605	http://dx.doi.org/10.1103/PhysRevC.101.064605
220	t-J model on the effective brick-wall lattice for the recently discovered high-temperature superconductor $\text{Ba}_2\text{CuO}_3+\delta$	Wang, Zhan; Zhou, Sen; Chen, Weiqiang; Zhang, Fu-Chun	PHYSICAL REVIEW B	2020	101	18	180509	http://dx.doi.org/10.1103/PhysRevB.101.180509
221	Towards a fundamental safe theory of composite Higgs and dark matter	Cacciapaglia, Giacomo; Ma, Teng; Vatani, Shahram; Wu, Yongcheng	EUROPEAN PHYSICAL JOURNAL C	2020	80	11	1088	http://dx.doi.org/10.1140/epjc/s10052-020-08648-7
222	Towards recognizing the light facet of the Higgs boson	Alves, Alexandre; Freitas, Felipe F.	MACHINE LEARNING-SCIENCE AND TECHNOLOGY	2020	1	4	45025	http://dx.doi.org/10.1088/2632-2153/aba8e6
223	Towards the nucleon hadronic tensor from lattice QCD	Liang, Jian; Draper, Terrence; Liu, Keh-Fei; Rothkopf, Alexander; Yang, Yi-Bo	PHYSICAL REVIEW D	2020	101	11	114503	http://dx.doi.org/10.1103/PhysRevD.101.114503
224	Trade-offs between effectiveness and cost in bifunctional enzyme circuit with concentration robustness	Guan, Shaohua; Xu, Liufang; Zhang, Qing; Shi, Hualin	PHYSICAL REVIEW E	2020	101	1	12409	http://dx.doi.org/10.1103/PhysRevE.101.012409
225	Trans-Planckian censorship of multistage inflation and dark energy	Li, Hao-Hao; Ye, Gen; Cai, Yong; Piao, Yun-Song	PHYSICAL REVIEW D	2020	101	6	63527	http://dx.doi.org/10.1103/PhysRevD.101.063527
226	Triangle singularity in the $B \rightarrow K^* \pi X(3872)$ reaction and sensitivity to the $X(3872)$ mass	Sakai, Shuntaro; Oset, Eulogio; Guo, Feng-Kun	PHYSICAL REVIEW D	2020	101	5	54030	http://dx.doi.org/10.1103/PhysRevD.101.054030
227	Twin Higgs with exact $Z(2)$	Csaki, Csaba; Guan, Cong-Sen; Ma, Teng; Shu, Jing	JOURNAL OF HIGH ENERGY PHYSICS	2020		12	5	http://dx.doi.org/10.1007/JHEP12(2020)005
228	Two-loop octagons, algebraic letters and (Q) -equations	He, Song; Li, Zhenjie; Zhang, Chi	PHYSICAL REVIEW D	2020	101	6	61701	http://dx.doi.org/10.1103/PhysRevD.101.061701
229	Two-loop QCD corrections to the Higgs plus three-parton amplitudes with top mass correction	Jin, Qingjun; Yang, Gang	JOURNAL OF HIGH ENERGY PHYSICS	2020		2	169	http://dx.doi.org/10.1007/JHEP02(2020)169
230	Uncovering quirk signal via energy loss inside tracker	Li, Jinmian; Li, Tianjun; Pei, Junle; Zhang, Wenxing	PHYSICAL REVIEW D	2020	102	5	56006	http://dx.doi.org/10.1103/PhysRevD.102.056006
231	Universal infrared scaling of gravitational wave background spectra	Cai, Rong-Gen; Pi, Shi; Sasaki, Misao	PHYSICAL REVIEW D	2020	102	8	83528	http://dx.doi.org/10.1103/PhysRevD.102.083528
232	Universal upper bound on the inflationary energy scale from the trans-Planckian censorship conjecture	Mizuno, Shuntaro; Mukohyama, Shinji; Pi, Shi; Zhang, Yun-Long	PHYSICAL REVIEW D	2020	102	2	21301	http://dx.doi.org/10.1103/PhysRevD.102.021301

233	Unpolarized isovector quark distribution function from lattice QCD: A systematic analysis of renormalization and matching	Liu, Yu-Sheng; Chen, Jiunn-Wei; Huo, Yi-Kai; Jin, Luchang; Schlemmer, Maximilian; Schaefer, Andreas; Sun, Peng; Wang, Wei; Yang, Yi-Bo; Zhang, Jian-Hui; Zhang, Qi-An; Zhang, Kuan; Zhao, Yong	PHYSICAL REVIEW D	2020	101	3	34020	http://dx.doi.org/10.1103/PhysRevD.101.034020
234	Unveiling CP property of top-Higgs coupling with graph neural networks at the LHC	Ren, Jie; Wu, Lei; Yang, Jin Min	PHYSICS LETTERS B	2020	802		135198	http://dx.doi.org/10.1016/j.physletb.2020.135198
235	Variation of shear moduli across superconducting phase transitions	Labat, Dimitri; Kotetes, Panagiotis; Andersen, Brian M.; Paul, Indranil	PHYSICAL REVIEW B	2020	101	14	144502	http://dx.doi.org/10.1103/PhysRevB.101.144502
236	Variational Approach for Many-Body Systems at Finite Temperature	Shi, Tao; Demler, Eugene; Cirac, J. Ignacio	PHYSICAL REVIEW LETTERS	2020	125	18	180602	http://dx.doi.org/10.1103/PhysRevLett.125.180602
237	Vulnerability and resilience of social engagement: Equilibrium theory	Wang, Shang-Nan; Cheng, Luan; Zhou, Hai-Jun	EPL	2020	132	6	60006	http://dx.doi.org/10.1209/0295-5075/132/60006
238	Weak directed transport of inertial Levy flights in rough corrugated potential	Liu, Jian; Zhu, Ping; Li, Feifei	MODERN PHYSICS LETTERS B	2020	34		2150016	http://dx.doi.org/10.1142/S0217984921500160
239	Weyl scaling invariant R-2 gravity for inflation and dark matter	Tang, Yong; Wu, Yue-Liang	PHYSICS LETTERS B	2020	809		135716	http://dx.doi.org/10.1016/j.physletb.2020.135716
240	Weyl symmetry inspired inflation and dark matter	Tang, Yong; Wu, Yue-Liang	PHYSICS LETTERS B	2020	803		135320	http://dx.doi.org/10.1016/j.physletb.2020.135320
241	Yao.jl: Extensible, Efficient Framework for Quantum Algorithm Design	Luo, Xiu-Zhe; Liu, Jin-Guo; Zhang, Pan; Wang, Lei	QUANTUM	2020	4		341	http://dx.doi.org/10.22331/q-2020-10-11-341