

For editorial and subscription correspondence,
please see inside front cover
(ISSN: 1550-7998)

Postmaster send address changes to:

APS Subscription Services
P.O. Box 41
Annapolis Junction, MD 20701

THIRD SERIES, VOLUME 103, NUMBER 11

CONTENTS

D1 JUNE 2021

The Table of Contents is a total listing of Parts A and B.

Part A consists of articles 111101–115002, and Part B articles 115003–116031(A)

LETTERS

PART A

First determination of the spin and parity of the charmed-strange baryon $\Xi_c(2970)^+$ (9 pages)	L111101
T. J. Moon <i>et al.</i> (Belle Collaboration)	
Three-loop corrections to the muon and heavy quark decay rates (6 pages)	L111301
Michał Czakon, Andrzej Czarnecki, and Matthew Dowling	
Radiative seesaw mechanism for charged leptons (5 pages)	L111302
Cheng-Wei Chiang and Kei Yagyu	
New physics constraints from atomic parity violation in ^{133}Cs (7 pages)	L111303
B. K. Sahoo, B. P. Das, and H. Spiesberger	
Climbing three-Reggeon ladders: Four-loop amplitudes in the high-energy limit in full color (7 pages)	L111501
Giulio Falcioni, Einan Gardi, Calum Milloy, and Leonardo Vernazza	
Next-to-soft corrections for Drell-Yan and Higgs boson rapidity distributions beyond N^3LO (7 pages)	L111502
A. H. Ajjath, Pooja Mukherjee, V. Ravindran, Aparna Sankar, and Surabhi Tiwari	
$P_c(4312)^+$, $P_c(4380)^+$, and $P_c(4457)^+$ as double triangle cusps (8 pages)	L111503
Satoshi X. Nakamura	
Reconstructing confined particles with complex singularities (7 pages)	L111504
Yui Hayashi and Kei-Ichi Kondo	
Complete solution to the strong CP problem: Supersymmetric extension of the Nelson-Barr model (6 pages)	L111701
Jason L. Evans, Chengcheng Han, Tsutomu T. Yanagida, and Norimi Yokozaki	

ARTICLES

Measurement of the branching fraction of the decay $B^+ \rightarrow \pi^+ \pi^- \ell^+ \nu_\ell$ in fully reconstructed events at Belle (22 pages)	112001
C. Beleño <i>et al.</i> (Belle Collaboration)	
Measurement of the resonant and nonresonant branching ratios in $\Xi_c^0 \rightarrow \Xi_c^0 K^+ K^-$ (11 pages)	112002
J. T. McNeil <i>et al.</i> (The Belle Collaboration)	
Search for trilepton resonances from chargino and neutralino pair production in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector (37 pages)	112003
G. Aad <i>et al.</i> (ATLAS Collaboration)	
Measurements of the branching fractions of $\psi(3686) \rightarrow \bar{\Sigma}^0 \Lambda + \text{c.c.}$ and $\chi_{cJ}(J=0,1,2) \rightarrow \Lambda \bar{\Lambda}$ (11 pages)	112004
M. Ablikim <i>et al.</i> (BESIII Collaboration)	



Copyright 2021 American Physical Society

(Continued)



This paper was highlighted in the APS publication *Physics* (physics.aps.org).

By suggesting a few manuscripts each week, we hope to promote reading across fields. Please see our Announcement Phys. Rev. D **90**, 00001 (2014).

Measurement of branching fractions and CP asymmetries for $D_s^+ \rightarrow K^+(\eta, \pi^0)$ and $D_s^+ \rightarrow \pi^+(\eta, \pi^0)$ decays at Belle (11 pages)	112005
Y. Guan <i>et al.</i> (Belle Collaboration)	
Search for new phenomena in events with an energetic jet and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector (40 pages)	112006
G. Aad <i>et al.</i> (ATLAS Collaboration)	
Search for the charged lepton flavor violating decay $J/\psi \rightarrow e\tau$ (10 pages)	112007
M. Ablikim <i>et al.</i> (BESIII Collaboration)	
Improved constraints on neutrino mixing from the T2K experiment with 3.13×10^{21} protons on target (59 pages)	112008
K. Abe <i>et al.</i> (T2K Collaboration)	
First T2K measurement of transverse kinematic imbalance in the muon-neutrino charged-current single- π^+ production channel containing at least one proton (27 pages)	112009
K. Abe <i>et al.</i> (T2K Collaboration)	
Physics potential of the combined sensitivity of T2K-II, NO ν A extension, and JUNO (13 pages)	112010
S. Cao, A. Nath, T. V. Ngoc, Ng. K. Francis, N. T. Hong Van, and P. T. Quyen	
Neutrino energy estimation in neutral current interactions and prospects for sterile neutrino searches (13 pages)	112011
A. P. Furmanski and C. Hilgenberg	
Standard model $\mathcal{O}(\alpha)$ renormalization of g_A and its impact on new physics searches (27 pages)	113001
Leendert Hayen	
Estimating the impact of mixed QCD-electroweak corrections on the W -mass determination at the LHC (6 pages)	113002
Arnd Behring, Federico Buccioni, Fabrizio Caola, Maximilian Delto, Matthieu Jaquier, Kirill Melnikov, and Raoul Röntsch	
Inclusive electron scattering and the GENIE neutrino event generator (13 pages)	113003
A. Papadopoulou, A. Ashkenazi, S. Gardiner, M. Betancourt, S. Dytman, L. B. Weinstein, E. Piasetzky, F. Hauenstein, M. Khachatryan, S. Dolan, G. D. Megias, and O. Hen $e4\nu$ Collaboration	
One-loop electroweak radiative corrections to charged lepton pair production in photon-photon collisions (14 pages)	113004
M. Demirci and M. F. Mustamin	
Quasi-two-body $B_{(s)} \rightarrow V\pi\pi$ decays with resonance $f_0(980)$ in the PQCD approach (7 pages)	113005
Lei Yang, Zhi-Tian Zou, Ying Li, Xin Liu, and Cui-Hua Li	
Softly shifting away from dark matter direct detection (8 pages)	113006
Chuan-Yang Xing, Ling-Xiao Xu, and Shou-hua Zhu	
Radiative corrections of order $\mathcal{O}(\alpha E_e/m_N)$ to Sirlin's radiative corrections of order $\mathcal{O}(\alpha/\pi)$, induced by the hadronic structure of the neutron (11 pages)	113007
A. N. Ivanov, R. Höllwieser, N. I. Troitskaya, M. Wellenzohn, and Ya. A. Berdnikov	
Robust test statistics for data sets with missing correlation information (19 pages)	113008
Lukas Koch	
Testing lepton flavor universality in $\Upsilon(4S)$ decays (8 pages)	113009
Sébastien Descotes-Genon, Martín Novoa-Brunet, Svjetlana Fajfer, and Jernej F. Kamenik	
Production of D -wave states of $b\bar{c}$ quarkonium at the LHC (8 pages)	114001
A. V. Berezhnoy, I. N. Belov, and A. K. Likhoded	
Diffractional rho plus lepton pair production at an electron-ion collider (10 pages)	114002
W. Cosyn and B. Pire	
Vortices penetrating two-flavor quark-hadron continuity (6 pages)	114003
Yuki Fujimoto and Muneto Nitta	
Magnetic moments of the spin- $\frac{3}{2}$ doubly charmed baryons in covariant baryon chiral perturbation theory (10 pages)	114004
Rui-Xiang Shi and Li-Sheng Geng	
Correlations between the strange quark condensate, strange quark mass, and kaon PCAC relation (6 pages)	114005
D. Harnett, J. Ho, and T. G. Steele	
Revisiting the P -wave charmonium radiative decays $h_c \rightarrow \gamma\eta^{(\prime)}$ with relativistic corrections (15 pages)	114006
Jun-Kang He and Chao-Jie Fan	
Dispersive analysis of low energy $\gamma^*N \rightarrow \pi N$ process (17 pages)	114007
Xiong-Hui Cao, Yao Ma, and Han-Qing Zheng	

(Continued)



This paper was highlighted in the APS publication *Physics* (physics.aps.org).

By suggesting a few manuscripts each week, we hope to promote reading across fields. Please see our Announcement Phys. Rev. D **90**, 00001 (2014).

Two-gluon production of ϕ and η' mesons in proton-proton collisions at high energies (13 pages)	114008
Anna Cisek and Antoni Szczurek	
Doubly heavy tetraquarks, $qq'\bar{Q}\bar{Q}'$, in a nonrelativistic quark model with a complete set of harmonic oscillator bases (21 pages)	114009
Sungsik Noh, Woosung Park, and Su Houn Lee	
Study of Gribov copies in a Yang-Mills ensemble (14 pages)	114010
D. Fiorentini, D. R. Junior, L. E. Oxman, G. M. Simões, and R. F. Sobreiro	
Predicting the $\sin\phi_S$ single-spin asymmetry of Λ production off a transversely polarized nucleon in SIDIS (12 pages)	114011
Yongliang Yang, Xiaoyu Wang, and Zhun Lu	
Mixed QCD-electroweak corrections to $pp \rightarrow lv_l + X$ at the LHC (10 pages)	114012
Luca Buonocore, Massimiliano Grazzini, Stefan Kallweit, Chiara Savoini, and Francesco Tramontano	
Search for a $D\bar{D}$ bound state in the $\Lambda_b \rightarrow \Lambda D\bar{D}$ process (8 pages)	114013
Le-Le Wei, Hong-Shen Li, En Wang, Ju-Jun Xie, De-Min Li, and Yu-Xiao Li	
Towards the three-dimensional parton structure of the pion: Integrating transverse momentum data into global QCD analysis (19 pages)	114014
N. Y. Cao, P. C. Barry, N. Sato, and W. Melnitchouk Jefferson Lab Angular Momentum (JAM) Collaboration	
Extending nuclear PDF analyses into the high- x , low- Q^2 region (24 pages)	114015
E. P. Segarra, T. Ježo, A. Accardi, P. Duwentäster, O. Hen, T. J. Hobbs, C. Keppel, M. Klasen, K. Kovařík, A. Kusina, J. G. Morfín, K. F. Muzakka, F. I. Olness, I. Schienbein, and J. Y. Yu.	
Diabatic description of bottomoniumlike mesons (13 pages)	114016
R. Bruschini and P. González	
Photoproduction of Λ^* and Σ^* resonances with $J^P = 1/2^-$ off the proton (12 pages)	114017
Sang-Ho Kim, K. P. Khemchandani, A. Martínez Torres, Seung-il Nam, and Atsushi Hosaka	
Axial charges of the proton within an extended chiral constituent quark model (9 pages)	114018
Jin-Bao Wang, Gang Li, Chun-Sheng An, and Ju-Jun Xie	
Deconvolution problem of deeply virtual Compton scattering (7 pages)	114019
V. Bertone, H. Dutriex, C. Mezrag, H. Moutarde, and P. Sznajder	
Anatomy of the dense QCD matter from canonical sectors (10 pages)	114020
Kouji Kashiwa and Hiroaki Kouno	
Energy-driven disorder in mean field QCD (26 pages)	114021
Sergei Nedelko and Vladimir Voronin	
Double-strangeness production in $\Lambda p \rightarrow K^+ X$ reaction (11 pages)	114022
Jung Keun Ahn and Seung-il Nam	
Data-driven dispersive analysis of the $\pi\pi$ and πK scattering (17 pages)	114023
Igor Danilkin, Oleksandra Deineka, and Marc Vanderhaeghen	
D_s -meson leading-twist distribution amplitude within the QCD sum rules and its application to the $B_s \rightarrow D_s$ transition form factor (13 pages)	114024
Yi Zhang, Tao Zhong, Hai-Bing Fu, Wei Cheng, and Xing-Gang Wu	
Isospin symmetry breaking in double-pion production in the region of $d^*(2380)$ and the scalar σ meson (16 pages)	114025
M. N. Platonova and V. I. Kukulin	
Relaxation and correlation times of nonequilibrium multiparticle systems (7 pages)	114026
Maciej Rybczyński, Grzegorz Wilk, and Zbigniew Włodarczyk	
Heavy flavor pentaquarks with four heavy quarks (17 pages)	114027
Hong-Tao An, Kan Chen, Zhan-Wei Liu, and Xiang Liu	
Dalitz plot studies of $D^0 \rightarrow K_S^0 K^+ K^-$ decays in a factorization approach (31 pages)	114028
J.-P. Dedonder, R. Kamiński, L. Leśniak, and B. Loiseau	
Remarks on the precise measurement of the $X(3872)$ mass and its counting rate (12 pages)	114029
Pablo G. Ortega and Enrique Ruiz Arriola	
Ground and excited state masses of Ω_{cc}^0 , Ω_{cc}^+ and Ω_{ccc}^{++} baryons (9 pages)	114030
Juhi Oudichhya, Keval Gandhi, and Ajay Kumar Rai	

(Continued)



Renormalization of the energy-momentum tensor in three-dimensional scalar SU(N) theories using the Wilson flow (16 pages)	114501
Luigi Del Debbio, Elizabeth Dobson, Andreas Jüttner, Ben Kitching-Morley, Joseph K. L. Lee, Valentin Nourry, Antonin Portelli, Henrique Bergallo Rocha, and Kostas Skenderis (LatCos Collaboration)	
Bayesian model averaging for analysis of lattice field theory results (17 pages)	114502
William I. Jay and Ethan T. Neil	
Lattice QCD calculation of the electroweak box diagrams for the kaon semileptonic decays (10 pages)	114503
Peng-Xiang Ma, Xu Feng, Mikhail Gorchtein, Lu-Chang Jin, and Chien-Yeah Seng	
de Sitter instanton from Euclidean dynamical triangulations (12 pages)	114504
Scott Bassler, Jack Laiho, Marc Schiffer, and Judah Unmuth-Yockey	
Prospects for simulating a qudit-based model of (1 + 1)D scalar QED (11 pages)	114505
Erik J. Gustafson	
Importance of meson-meson and of diquark-antidiquark creation operators for a $\bar{b}\bar{b}ud$ tetraquark (15 pages)	114506
Pedro Bicudo, Antje Peters, Sebastian Velten, and Marc Wagner	
Contribution of the QCD Θ -term to the nucleon electric dipole moment (29 pages)	114507
Tanmoy Bhattacharya, Vincenzo Cirigliano, Rajan Gupta, Emanuele Mereghetti, and Boram Yoon	
Determination of $\bar{m}_b/\bar{m}_c$ and $\bar{m}_b$ from $n_f = 4$ lattice QCD + QED (10 pages)	114508
D. Hatton, C. T. H. Davies, J. Koponen, G. P. Lepage, and A. T. Lytle (HPQCD Collaboration)	
Normalizing flows and the real-time sign problem (13 pages)	114509
Scott Lawrence and Yukari Yamauchi	
Ideal topological gas in the high temperature phase of SU(3) gauge theory (7 pages)	114510
Réka Á. Vig and Tamás G. Kovács	
Newtonian binding from lattice quantum gravity (15 pages)	114511
Mingwei Dai, Jack Laiho, Marc Schiffer, and Judah Unmuth-Yockey	
On-shell representations of two-body transition amplitudes: Single external current (32 pages)	114512
Raúl A. Briceño, Andrew W. Jackura, Felipe G. Ortega-Gama, and Keegan H. Sherman	
Sphaleron rate from Euclidean lattice correlators: An exploration (10 pages)	114513
Luis Altenkort, Alexander M. Eller, O. Kaczmarek, Lukas Mazur, Guy D. Moore, and H.-T. Shu	
$N\pi$ -state contamination in lattice calculations of the nucleon electromagnetic form factors (20 pages)	114514
Oliver Bär and Haris Čolić	
Quark-gluon vertex from $N_f = 2$ lattice QCD (21 pages)	114515
Ayşe Kızılersü, Orlando Oliveira, Paulo J. Silva, Jon-Ivar Skullerud, and André Sternbeck	
Rare kaon decay to missing energy: Implications of the NA62 result for a Z' model (9 pages)	115001
Téssio B. de Melo, Sergey Kovalenko, Farinaldo S. Queiroz, C. Siqueira, and Yoxara S. Villamizar	
Cosmological and astrophysical probes of dark baryons (12 pages)	115002
David McKeen, Maxim Pospelov, and Nirmal Raj	

PART B

Towards constraining triple gluon operators through tops (12 pages)	115003
Debjyoti Bardhan, Diptimoy Ghosh, Prasham Jain, and Arun M. Thalapillil	
☞ Cosmic axion background (31 pages)	115004
Jeff A. Dror, Hitoshi Murayama, and Nicholas L. Rodd	
Multi-Higgs boson production probes Higgs sector flavor (17 pages)	115005
Daniel Egana-Ugrinovic, Samuel Homiller, and Patrick Meade	
Vacuum stability conditions for Higgs potentials with $SU(2)_L$ triplets (47 pages)	115006
Gilbert Maultaka and Michel C. Peyranère	
Model for the singlet-triplet leptoquarks (25 pages)	115007
Leandro Da Rold and Federico Lamagna	

(Continued)



Kinematic corrections and reconstruction methods for neutral Higgs boson decay to $b\bar{b}$ in 2HDM type I at future lepton colliders (11 pages)	115008
Majid Hashemi and Elnaz Ebrahimi	
Gravitational production of dark matter during reheating (8 pages)	115009
Yann Mambrini and Keith A. Olive	
Implications of a possible TeV break in the cosmic-ray electron and positron flux (23 pages)	115010
Yu-Chen Ding, Nan Li, Chun-Cheng Wei, Yue-Liang Wu, and Yu-Feng Zhou	
Minimal and nonminimal universal extra dimension models in the light of LHC data at 13 TeV (17 pages)	115011
Avnish, Kirtiman Ghosh, Tapoja Jha, and Saurabh Niyogi	
Exceptional regions of the 2HDM parameter space (53 pages)	115012
Howard E. Haber and João P. Silva	
Perturbative benchmark models for a dark shower search program (20 pages)	115013
Simon Knapen, Jessie Shelton, and Dong Xu	
Probing the Weinberg operator at colliders (10 pages)	115014
Benjamin Fuks, Jonas Neundorff, Krisztian Peters, Richard Ruiz, and Matthias Saimpert	
Higgs boson decays with lepton flavor violation in the $B - L$ symmetric SSM (19 pages)	115015
Ze-Ning Zhang, Hai-Bin Zhang, Jin-Lei Yang, Shu-Min Zhao, and Tai-Fu Feng	
Metastable conformal dark matter (13 pages)	115016
Philippe Brax, Kunio Kaneta, Yann Mambrini, and Mathias Pierre	
Hunting for top partner with a new signature at the LHC (14 pages)	115017
Daohan Wang, Lei Wu, and Mengchao Zhang	
$(g - 2)_{e,\mu}$ in an extended inverse type-III seesaw model (17 pages)	115018
Pablo Escribano, Jorge Terol-Calvo, and Avelino Vicente	
Using the spectrum of dark radiation as a probe of reheating (13 pages)	115019
Joerg Jaeckel and Wen Yin	
Flavor changing top decays to charm and a Higgs boson with $\tau\tau$ at the LHC (11 pages)	115020
Phillip Gutierrez, Rishabh Jain, and Chung Kao	
Exploring axion dark matter through radio signals from magnetic white dwarf stars (8 pages)	115021
Jin-Wei Wang, Xiao-Jun Bi, Run-Min Yao, and Peng-Fei Yin	
Higgs alignment and the top quark (7 pages)	115022
Estia J. Eichten and Kenneth Lane	
Combined constraints on first generation leptoquarks (13 pages)	115023
Andreas Crivellin, Dario Müller, and Luc Schnell	
Fermion mass hierarchies from vectorlike families with an extended 2HDM and a possible explanation for the electron and muon anomalous magnetic moments (34 pages)	115024
A. E. Cárcamo Hernández, S. F. King, and H. Lee	
Is negative kinetic energy metastable? (24 pages)	115025
Christian Gross, Alessandro Strumia, Daniele Teresi, and Matteo Zirilli	
Electroweak $t\bar{t}$ hadroproduction in the presence of heavy Z' and W' bosons at NLO QCD in POWHEG (15 pages)	115026
Mohammad Mahdi Altakach, Tomáš Ježo, Michael Klasen, Jean-Nicolas Lang, and Ingo Schienbein	
Manifestations of nonzero Majorana CP -violating phases in oscillations of supernova neutrinos (12 pages)	115027
Artem Popov and Alexander Studenikin	
Resolving a challenging supersymmetric low-scale seesaw scenario at the ILC (17 pages)	115028
J. Masias, N. Cerna-Velazco, J. Jones-Pérez, and W. Porod	
Nondiagonal pair of Majorana particles at e^+e^- colliders (10 pages)	115029
Seong Youl Choi and Jae Hoon Jeong	
Terrestrial probes of electromagnetically interacting dark radiation (11 pages)	115030
Jui-Lin Kuo, Maxim Pospelov, and Josef Pradler	
Earth-bound millicharge relics (16 pages)	115031
Maxim Pospelov and Harikrishnan Ramani	
Minimal models for $g - 2$ and dark matter confront asymptotic safety (22 pages)	115032
Kamila Kowalska and Enrico Maria Sessolo	

(Continued)



Instanton solution for Schwinger production of 't Hooft-Polyakov monopoles (9 pages)	115033
David L.-J. Ho and Arttu Rajantie	
Probing dark sector CP violation with electric dipole moments and colliders (12 pages)	115034
Carlos Henrique de Lima, Ben Keeshan, Heather E. Logan, and Yue Zhang	
Singlet-assisted electroweak phase transition at two loops (27 pages)	115035
Lauri Niemi, Philipp Schicho, and Tuomas V.I. Tenkanen	
Lessons from T^μ_μ on inflation models: Two-loop renormalization of η in the scalar QED (27 pages)	116001
Ayuki Kamada and Takumi Kuwahara	
Measuring chiral imbalance with collisional energy loss (12 pages)	116002
Stefano Carignano and Cristina Manuel	
Physics prospects with the second oscillation maximum at the Deep Underground Neutrino Experiment (20 pages)	116003
Jogesh Rout, Sheeba Shafaq, Mary Bishai, and Poonam Mehta	
Mapping gauged Q -balls (11 pages)	116004
Julian Heeck, Arvind Rajaraman, Rebecca Riley, and Christopher B. Verhaaren	
Anomalous gravitomagnetic moment and nonuniversality of the axial vortical effect at finite temperature (37 pages)	116005
M. Buzzegoli and Dmitri E. Kharzeev	
Elucidating the effect of intermediate resonances in the quark interaction kernel on the timelike electromagnetic pion form factor (15 pages)	116006
Ángel S. Miramontes, Hèlios Sanchis Alepuz, and Reinhard Alkofer	
Effects of oscillating spacetime metric background on a complex scalar field and formation of topological vortices (16 pages)	116007
Shreyansh S. Dave and Sanatan Digal	
Thermomagnetic modification of the anomalous magnetic moment of quarks using the NJL model (13 pages)	116008
Snigdha Ghosh, Nilanjan Chaudhuri, Pradip Roy, and Sourav Sarkar	
Physics potential of a muon-proton collider (7 pages)	116009
Kingman Cheung and Zeren Simon Wang	
Toward establishing an abundant B and B_s spectrum up to the second orbital excitations (21 pages)	116010
Qi Li, Ru-Hui Ni, and Xian-Hui Zhong	
Structure of the oscillon: The dynamics of attractive self-interaction (33 pages)	116011
David Cyncynates and Tudor Giurgica-Tiron	
Bose-Einstein momentum correlations at fixed multiplicities: Lessons from an exactly solvable thermal model for pp collisions at the LHC (11 pages)	116012
M. D. Adzhymambetov, S. V. Akkelin, and Yu. M. Sinyukov	
Learning from many collider events at once (17 pages)	116013
Benjamin Nachman and Jesse Thaler	
Cosmological particle creation in the little bang (9 pages)	116014
S. V. Akkelin	
Kubo formulae for first-order spin hydrodynamics (8 pages)	116015
Jin Hu	
Can the nature of $a_0(980)$ be tested in the $D_s^+ \rightarrow \pi^+ \pi^0 \eta$ decay? (9 pages)	116016
Xi-Zhe Ling, Ming-Zhu Liu, Jun-Xu Lu, Li-Sheng Geng, and Ju-Jun Xie	
Exploration of the doubly charmed molecular pentaquarks (15 pages)	116017
Kan Chen, Bo Wang, and Shi-Lin Zhu	
Study of pair production in inhomogeneous two-color electric fields using the computational quantum field theory (16 pages)	116018
Z. L. Li, C. Gong, and Y. J. Li	
Unveiling the $K_1(1270)$ double-pole structure in the $\bar{B} \rightarrow J/\psi \rho \bar{K}$ and $\bar{B} \rightarrow J/\psi \bar{K}^* \pi$ decays (13 pages)	116019
J. M. Dias, G. Toledo, L. Roca, and E. Oset	
Divector boson production in association with a Higgs boson at hadron colliders (22 pages)	116020
Pankaj Agrawal, Debashis Saha, and Ambresh Shivaji	
Axion induced spin effective couplings (12 pages)	116021
Zihang Wang and Lijing Shao	

(Continued)



Bosonization, mass generation, and the pseudo-Chern-Simons action (<i>10 pages</i>)	116022
Gabriel C. Magalhães, Van Sérgio Alves, Leandro O. Nascimento, and Eduardo C. Marino	
Deep learning stochastic processes with QCD phase transition (<i>8 pages</i>)	116023
Lijia Jiang, Lingxiao Wang, and Kai Zhou	
Five-loop renormalization of ϕ^3 theory with applications to the Lee-Yang edge singularity and percolation theory (<i>35 pages</i>)	116024
M. Borinsky, J. A. Gracey, M. V. Kompaniets, and O. Schnetz	
Boosted Higgs boson jet reconstruction via a graph neural network (<i>12 pages</i>)	116025
Jun Guo, Jinmian Li, Tianjun Li, and Rao Zhang	
Taming the pinch singularities in the two-loop neutrino self-energy in a medium (<i>19 pages</i>)	116026
José F. Nieves and Sarira Sahu	
Study of charmoniumlike and fully-charm tetraquark spectroscopy (<i>11 pages</i>)	116027
Zheng Zhao, Kai Xu, Attaphon Kaewsnod, Xuyang Liu, Ayut Limphirat, and Yupeng Yan	
Learning to identify electrons (<i>11 pages</i>)	116028
Julian Collado, Jessica N. Howard, Taylor Faucett, Tony Tong, Pierre Baldi, and Daniel Whiteson	
Cross section of the process $e^+e^- \rightarrow p\bar{p}$ in the vicinity of charmonium $\psi(3770)$ including three-gluon and D -meson loop contributions (<i>11 pages</i>)	116029
Yu. M. Bystritskiy	
Probing $D_{s0}^*(2317)$ in the decays of B to two charmed mesons (<i>14 pages</i>)	116030
Zhi-Qing Zhang, Meng-Ge Wang, Yan-Chao Zhao, Zhi-Lin Guan, and Na Wang	
Some remarks about emission channels of non-Abelian vortices (<i>17 pages</i>)	116031
Osvaldo P. Santillán	

