PHYSICAL REVIEW D™

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

PERIODICALS
Postmaster send address changes to:
PHYSICAL REVIEW D
APS Subscription Services
Suite 1NO1
2 Huntington Quadrangle
Melville, NY 11747-4502

THIRD SERIES, VOLUME 86, NUMBER 12 *CONTENTS* **D15 DECEMBER 2012**

RAPID COMMUNICATIONS

Heavy fields, reduced speeds of sound, and decoupling during inflation *(5 pages)* . . . . . 121301(R)
Ana Achúcarro, Vicente Atal, Sebastián Céspedes, Jinn-Ouk Gong, Gonzalo A. Palma, and Subodh P. Patil

Eccentric binary neutron star mergers *(6 pages)* . . . . . 121501(R)
Roman Gold, Sebastiano Bernuzzi, Marcus Thierfelder, Bernd Brügmann, and Frans Pretorius

Constraining models for keV sterile neutrinos by quasidegenerate active neutrinos *(6 pages)* . . . . . 121701(R)
Alexander Merle

On the metric operator for the imaginary cubic oscillator *(6 pages)* . . . . . 121702(R)
P. Siegl and D. Krejčiřík

Possible higher order correction to the chiral vortical conductivity in a gauge field plasma *(4 pages)* . . . . . 121703(R)
De-fu Hou, Hui Liu, and Hai-cang Ren

Colorful boojums at the interface of a color superconductor *(6 pages)* . . . . . 121704(R)
Mattia Cipriani, Walter Vinci, and Muneto Nitta

ARTICLES

Mock data challenge for the Einstein Gravitational-Wave Telescope *(19 pages)* 122001
Tania Regimbau, Thomas Dent, Walter Del Pozzo, Stefanos Giampanis, Tjonnie G. Li, Craig Robinson, Chris Van Den Broeck, Duncan Meacher, Carl Rodriguez, B. S. Sathyaprakash, and Katarzyna Wójcik

Scalar-tensor theories, trace anomalies, and the QCD frame *(10 pages)* 122002
Francesco Nitti and Federico Piazza

Trade-off between quantum and thermal fluctuations in mirror coatings yields improved sensitivity of gravitational-wave interferometers *(12 pages)* 122003
N. V. Voronchev, S. L. Danilishin, and F. Ya. Khalili

Creep events and creep noise in gravitational-wave interferometers: Basic formalism and stationary limit *(9 pages)* 122004
Yuri Levin

Atacama Cosmology Telescope: A measurement of the thermal Sunyaev-Zel'dovich effect using the skewness of the CMB temperature distribution *(10 pages)* 122005
Michael J. Wilson, Blake D. Sherwin, J. Colin Hill, Graeme Addison, Nick Battaglia, J. Richard Bond, Sudeep Das, Mark J. Devlin, Joanna Dunkley, Rolando Dünner, Joseph W. Fowler, Megan B. Gralla, Amir Hajian, Mark Halpern, Matt Hilton, Adam D. Hincks, Renée Hlozek, Kevin Huffenberger, John P. Hughes, Arthur Kosowsky, Thibaut Louis, Tobias A. Marriage, Danica Marsden, Felipe Menanteau, Kavilan Moodley, Michael D. Niemack, Michael R. Nolta, Lyman A. Page, Bruce Partridge, Erik D. Reese, Neelima Sehgal, Jon Sievers, David N. Spergel, Suzanne T. Staggs, Daniel S. Swetz, Eric R. Switzer, Hy Trac, and Ed Wollack

Hardware-based demonstration of time-delay interferometry and TDI-ranging with spacecraft motion effects *(12 pages)* 122006
Shawn J. Mitryk, Guido Mueller, and Josep Sanjuan

Copyright 2012 American Physical Society

(Continued)

1550-7998(20121215)86:12*1;1-I

PHYSICAL REVIEW D **THIRD SERIES, VOLUME 86, NUMBER 12** **D15 DECEMBER 2012**

Probing dark energy with redshift drift *(7 pages)* 123001
Matteo Martinelli, Stefania Pandolfi, C. J. Martins, and P. E. Vielzeuf

Evolution of the chameleon scalar field in the early universe *(14 pages)* 123002
David F. Mota and Camilla A. Schelpe

Relativistic mean-field treatment of pulsar kicks from neutrino propagation in magnetized proto-neutron stars *(20 pages)* 123003
Tomoyuki Maruyama, Nobutoshi Yasutake, Myung-Ki Cheoun, Jun Hidaka, Toshitaka Kajino, Grant J. Mathews, and Chung-Yeol Ryu

Inconsistency in the standard model for stellar thin accretion disks *(7 pages)* 123004
Giovanni Montani and Nakia Carlevaro

Antiquark nuggets as dark matter: New constraints and detection prospects *(8 pages)* 123005
Peter W. Gorham

Effects of power law primordial magnetic field on big bang nucleosynthesis *(11 pages)* 123006
Dai G. Yamazaki and Motohiko Kusakabe

Coherent radiation from extensive air showers in the ultrahigh frequency band *(9 pages)* 123007
Jaime Alvarez-Muñiz, Washington R. Carvalho, Jr., Andrés Romero-Wolf, Matías Tueros, and Enrique Zas

Non-Gaussian structure of the lensed CMB power spectra covariance matrix *(15 pages)* 123008
Aurélien Benoit-Lévy, Kendrick M. Smith, and Wayne Hu

Probing primordial magnetism with off-diagonal correlators of CMB polarization *(8 pages)* 123009
Amit Yadav, Levon Pogosian, and Tanmay Vachaspati

Multidetector $\mathcal{F}$-statistic metric for short-duration nonprecessing inspiral gravitational-wave signals *(12 pages)* 123010
Drew Keppel

Scalar collapse in AdS spacetimes *(15 pages)* 123011
Alex Buchel, Luis Lehner, and Steven L. Liebling

Cosmic inflation and big bang interpreted as explosions *(10 pages)* 123012
E. Rebhan

Attempt to find a correlation between the spin of stellar-mass black hole candidates and the power of steady jets: Relaxing the Kerr black hole hypothesis *(8 pages)* 123013
Cosimo Bambi

Correlations between cosmic strings and extra relativistic species *(11 pages)* 123014
Joanes Lizarraga, Irene Sendra, and Jon Urrestilla

Galactic dark matter in the phantom field *(7 pages)* 123015
Ming-Hsun Li and Kwei-Chou Yang

Transport properties of a quark-hadron Coulomb lattice in the cores of neutron stars *(15 pages)* 123016
Xuesen Na, Renxin Xu, Fridolin Weber, and Rodrigo Negreiros

Hyperbolic formulations of general relativity with Hamiltonian structure *(24 pages)* 123017
David Hilditch and Ronny Richter

Impact of a warm dark matter late-time velocity dispersion on large-scale structures *(12 pages)* 123501
Patrick Valageas

Probing dark radiation with inflationary gravitational waves *(10 pages)* 123502
Ryusuke Jinno, Takeo Moroi, and Kazunori Nakayama

Practical solutions for perturbed $f(R)$ gravity *(11 pages)* 123503
Alireza Hojjati, Levon Pogosian, Alessandra Silvestri, and Starla Talbot

Model independent early expansion history and dark energy *(11 pages)* 123504
Johan Samsing, Eric V. Linder, and Tristan L. Smith

Gravitational interaction of celestial bodies and black holes with particle dark matter *(8 pages)* 123505
S. L. Parnovsky

Background reionization history from omniscopes *(22 pages)* 123506
Sébastien Clesse, Laura Lopez-Honorez, Christophe Ringeval, Hiroyuki Tashiro, and Michel H. Tytgat

Cosmological constant as an eigenvalue of the Hamiltonian constraint in Hořava-Lifshitz theory *(8 pages)* 123507
Remo Garattini

(Continued)

PHYSICAL REVIEW D **THIRD SERIES, VOLUME 86, NUMBER 12** **D15 DECEMBER 2012**

Large-scale growth evolution in the Szekeres inhomogeneous cosmological models with comparison to growth data *(21 pages)* 123508
Austin Peel, Mustapha Ishak, and M. A. Troxel

Vacuum structure and the arrow of time *(16 pages)* 123509
Raphael Bousso

DBI inflation in $\mathcal{N} = 1$ supergravity *(9 pages)* 123510
Michael Koehn, Jean-Luc Lehners, and Burt A. Ovrut

Stationary phase approximation and instanton-like states for cosmological in-in path integrals *(11 pages)* 123511
Ali Kaya

Constraints on primordial gravitational waves with variable sound speed from current CMB data *(9 pages)* 123512
Cheng Cheng, Qing-Guo Huang, Xiao-Dong Li, and Yin-Zhe Ma

Fast analytic computation of cosmic string power spectra *(12 pages)* 123513
Anastasios Avgoustidis, Edmund J. Copeland, Adam Moss, and Dimitri Skliros

Consequences of a stochastic approach to the conformal invariance of inflationary correlators *(10 pages)* 123514
Hayato Motohashi, Teruaki Suyama, and Jun'ichi Yokoyama

Inflation with a graceful exit and entrance driven by Hawking radiation *(9 pages)* 123515
Sujoy Kumar Modak and Douglas Singleton

Cosmography and constraints on the equation of state of the Universe in various parametrizations *(23 pages)* 123516
Alejandro Aviles, Christine Gruber, Orlando Luongo, and Hernando Quevedo

Validity of the kink approximation to the tunneling action *(7 pages)* 123517
Koushik Dutta, Cecelie Hector, Thomas Konstandin, Pascal M. Vaudrevange, and Alexander Westphal

Saddle stresses for generic theories with a preferred acceleration scale *(5 pages)* 123518
João Magueijo and Ali Mozaffari

Brans-Dicke theory of gravity with torsion: A possible solution of ω-problem *(6 pages)* 123519
Yu-Huei Wu and Chih-Hung Wang

Constraints on non-Gaussianity from Sunyaev-Zeldovich cluster surveys *(12 pages)* 123520
Daisy S. Mak and Elena Pierpaoli

Bigravitational inflation *(6 pages)* 123521
Vicente Atal, Luis E. Campusano, and Gonzalo A. Palma

Growth of covariant perturbations in the contracting phase of a bouncing universe *(9 pages)* 123522
Atanu Kumar

Cosmology and the Korteweg-de Vries equation *(7 pages)* 123523
James E. Lidsey

Universal non-Gaussian initial conditions for N-body simulations *(7 pages)* 123524
D. M. Regan, M. M. Schmittfull, E. P. Shellard, and J. R. Fergusson

Gravitino cosmology in supersymmetric warm inflation *(15 pages)* 123525
Sam Bartrum, Arjun Berera, and João G. Rosa

Singularity problem in the $f(R)$ model with nonminimal coupling *(10 pages)* 123526
Qiang Xu and Sheng-yu Tan

Chasing a consistent picture for dark matter direct searches *(18 pages)* 123527
Chiara Arina

Consistency relation for cosmic magnetic fields *(5 pages)* 123528
Rajeev Kumar Jain and Martin S. Sloth

Dark matter with density-dependent interactions *(15 pages)* 123529
Kimberly K. Boddy, Sean M. Carroll, and Mark Trodden

Negative modes of oscillating instantons *(12 pages)* 124001
Lorenzo Battarra, George Lavrelashvili, and Jean-Luc Lehners

A soliton and a black hole are in Gauss-Bonnet gravity: Who wins? *(10 pages)* 124002
Anson W. Wong and Robert B. Mann

Modelling gravity on a hyper-cubic lattice *(5 pages)* 124003
Kyle Tate and Matt Visser

(Continued)

PHYSICAL REVIEW D **THIRD SERIES, VOLUME 86, NUMBER 12** **D15 DECEMBER 2012**

Covariant master theory for novel Galilean invariant models and massive gravity *(12 pages)* 124004
Gregory Gabadadze, Kurt Hinterbichler, Justin Khoury, David Pirtskhalava, and Mark Trodden

Remark about the Hamiltonian formulation of nonlinear massive gravity in the Stückelberg formalism *(8 pages)* 124005
J. Klusoň

BRST analysis of physical fields and states for 4D quantum gravity on $R \times S^3$ *(12 pages)* 124006
Ken-ji Hamada

Black-hole–neutron-star mergers: Disk mass predictions *(12 pages)* 124007
Francois Foucart

Quasinormal modes for the scattering on a naked Reissner-Nordström singularity *(16 pages)* 124008
Cecilia Chirenti, Alberto Saa, and Jozef Skákala

Probing global aspects of a geometry by the self-force on a charge: Cylindrical thin-shell wormholes *(7 pages)* 124009
E. Rubín de Celis, O. P. Santillan, and C. Simeone

Bohr-Sommerfeld quantization of space *(19 pages)* 124010
Eugenio Bianchi and Hal M. Haggard

Continuous gravitational waves from isolated Galactic neutron stars in the advanced detector era *(8 pages)* 124011
Leslie Wade, Xavier Siemens, David L. Kaplan, Benjamin Knispel, and Bruce Allen

Gravitational radiation reaction along general orbits in the effective one-body formalism *(36 pages)* 124012
Donato Bini and Thibault Damour

Symmetric integrator for nonintegrable Hamiltonian relativistic systems *(12 pages)* 124013
Jonathan Seyrich and Georgios Lukes-Gerakopoulos

Mass-varying massive gravity *(10 pages)* 124014
Qing-Guo Huang, Yun-Song Piao, and Shuang-Yong Zhou

Slinky evolution of domain wall brane cosmology *(13 pages)* 124015
Avihay Kadosh, Aharon Davidson, and Elisabetta Pallante

Linear perturbations in Galileon gravity models *(23 pages)* 124016
Alexandre Barreira, Baojiu Li, Carlton M. Baugh, and Silvia Pascoli

Higher order equations of motion and gravity *(10 pages)* 124017
Claus Lämmerzahl and Patricia Rademaker

Warped conformal field theory *(17 pages)* 124018
Stéphane Detournay, Thomas Hartman, and Diego M. Hofman

Cosmology and perturbations in massive gravity *(8 pages)* 124019
Guido D'Amico

Realistic fluids as source for dynamically accreting black holes in a cosmological background *(5 pages)* 124020
Daniel C. Guariento, Michele Fontanini, Alan M. da Silva, and Elcio Abdalla

Lorentz violation, gravitomagnetism, and intrinsic spin *(5 pages)* 124021
Jay D. Tasson

Brane induced gravity: From a no-go to a no-ghost theorem *(13 pages)* 124022
Felix Berkhahn, Stefan Hofmann, and Florian Niedermann

Twistorial structure of loop-gravity transition amplitudes *(28 pages)* 124023
Simone Speziale and Wolfgang M. Wieland

Gordon metric revisited *(7 pages)* 124024
M. Novello and E. Bittencourt

Covariant kinematics and gravitational bounce in Finsler space-times *(12 pages)* 124025
A. P. Kouretsis, M. Stathakopoulos, and P. C. Stavrinos

Outgoing gravitational shock wave at the inner horizon: The late-time limit of black hole interiors *(18 pages)* 124026
Donald Marolf and Amos Ori

Nonlinear (loop) quantum cosmology *(10 pages)* 124027
Martin Bojowald, Alexander L. Chinchilli, David Simpson, Christine C. Dantas, and Matthew Jaffe

Pulsar timing arrays as imaging gravitational wave telescopes: Angular resolution and source (de)confusion *(7 pages)* 124028
Latham Boyle and Ue-Li Pen

(Continued)

PHYSICAL REVIEW D THIRD SERIES, VOLUME 86, NUMBER 12 D15 DECEMBER 2012

Triangular solution to the general relativistic three-body problem for general masses *(6 pages)* 124029
Kei Yamada and Hideki Asada

Energy and angular momentum in generic F (Riemann) theories *(4 pages)* 124030
Çetin Şentürk, Tahsin Çağrı Şişman, and Bayram Tekin

Vacuum instability in Chern-Simons gravity *(7 pages)* 124031
Sergei Dyda, Éanna É. Flanagan, and Marc Kamionkowski

Astrophysical model selection in gravitational wave astronomy *(10 pages)* 124032
Matthew R. Adams, Neil J. Cornish, and Tyson B. Littenberg

Spinor coupling to the weak Poincare gauge theory of gravity in three dimensions *(6 pages)* 124033
Özcan Sert and Muzaffer Adak

Geodesic deviation, Raychaudhuri equation, and tidal forces in modified gravity with an arbitrary curvature-matter coupling *(10 pages)* 124034
Tiberiu Harko and Francisco S. Lobo

Deformed Lorentz symmetry and relative locality in a curved/expanding spacetime *(14 pages)* 124035
Giovanni Amelino-Camelia, Antonino Marcianò, Marco Matassa, and Giacomo Rosati

Slowly rotating relativistic stars in scalar-tensor gravity *(8 pages)* 124036
Hajime Sotani

Visualizing spacetime curvature via gradient flows. II. An example of the construction of a Newtonian analogue *(10 pages)* 124037
Majd Abdelqader and Kayll Lake

Anomalous Majorana neutrino masses from torsionful quantum gravity *(8 pages)* 124038
Nick E. Mavromatos and Apostolos Pilaftsis

Energy extraction from extremal charged black holes due to the Banados-Silk-West effect *(4 pages)* 124039
O. B. Zaslavskii

Is a tabletop search for Planck scale signals feasible? *(9 pages)* 124040
Jacob D. Bekenstein

Space-time diagrammatics *(20 pages)* 124041
Piotr T. Chruściel, Christa R. Ölz, and Sebastian J. Szybka

Rank-n logarithmic conformal field theory in the BTZ black hole *(5 pages)* 124042
Taeyoon Moon and Yun Soo Myung

Black holes in the conical ensemble *(24 pages)* 124043
Daniel Grumiller, Robert McNees, and Simone Zonetti

Anomaly freedom of the vector modes with holonomy corrections in perturbative Euclidean loop quantum gravity *(8 pages)* 124044
Jian-Pin Wu and Yongge Ma

Creation of the universe with a stealth scalar field *(7 pages)* 124045
Hideki Maeda and Kei-ichi Maeda

Universal linear in temperature resistivity from black hole superradiance *(19 pages)* 124046
Aristomenis Donos and Sean A. Hartnoll

Rotating black holes in a Randall-Sundrum brane with a cosmological constant *(10 pages)* 124047
J. C. Neves and C. Molina

New type of phase transition in gravitational theories *(6 pages)* 124048
Xián O. Camanho, José D. Edelstein, Gastón Giribet, and Andrés Gomberoff

Dynamics of Dirac-Born-Infeld dark energy interacting with dark matter *(10 pages)* 124049
Chakkrit Kaeonikhom, Douglas Singleton, Sergey V. Sushkov, and N. Yongram

Potential of a neutrino detector in the ANDES underground laboratory for geophysics and astrophysics of neutrinos *(19 pages)* 125001
P. A. Machado, T. Mühlbeier, H. Nunokawa, and R. Zukanovich Funchal

Langevin description of nonequilibrium quantum fields *(16 pages)* 125002
F. Gautier and J. Serreau

Enhancement of field renormalization in scalar theories via functional renormalization group *(10 pages)* 125003
Dario Zappalà

(Continued)

PHYSICAL REVIEW D THIRD SERIES, VOLUME 86, NUMBER 12 D15 DECEMBER 2012

Josephson vortices and the Atiyah-Manton construction *(6 pages)* 125004
Muneto Nitta

Enhancement of critical temperature of a striped holographic superconductor *(8 pages)* 125005
Suman Ganguli, Jimmy A. Hutasoit, and George Siopsis

Yang-Mills-Higgs models with higher order derivatives *(13 pages)* 125006
Janos Polonyi and Alicja Siwek

Pair production in a plane wave by thermal background photons *(5 pages)* 125007
B. King, H. Gies, and A. Di Piazza

Two flavor massless Schwinger model on a torus at a finite chemical potential *(5 pages)* 125008
R. Narayanan

Nonaxisymmetric baby-Skyrmion branes *(12 pages)* 125009
Térence Delsate, Masahiro Hayasaka, and Nobuyuki Sawado

Study of chiral symmetry restoration in linear and nonlinear $O(N)$ models using the auxiliary-field method *(22 pages)* 125010
Elina Seel, Stefan Strüber, Francesco Giacosa, and Dirk H. Rischke

Entanglement signatures of phase transition in higher-derivative quantum field theories *(10 pages)* 125011
Suman Ghosh and S. Shankaranarayanan

Chern-Simons spinor electrodynamics in the light-cone gauge *(17 pages)* 125012
Wenfeng Chen

Total angular momentum waves for scalar, vector, and tensor fields *(27 pages)* 125013
Liang Dai, Marc Kamionkowski, and Donghui Jeong

Renormalization flow of axion electrodynamics *(12 pages)* 125014
Astrid Eichhorn, Holger Gies, and Dietrich Roscher

Analogue Aharonov-Bohm effect in a Lorentz-violating background *(7 pages)* 125015
M. A. Anacleto, F. A. Brito, and E. Passos

Effects of quarks on the formation and evolution of Z(3) walls and strings in an effective model near the QCD deconfining transition *(16 pages)* 125016
Uma Shankar Gupta, Ranjita K. Mohapatra, Ajit M. Srivastava, and Vivek K. Tiwari

N=2 super-Yang-Mills theory from a Chern-Simons action *(6 pages)* 125017
Dharmesh Jain and Warren Siegel

Fourth order perturbative expansion for the Casimir energy with a slightly deformed plate *(10 pages)* 125018
César D. Fosco, Fernando C. Lombardo, and Francisco D. Mazzitelli

Radiation reaction by massive particles and its nonanalytic behavior *(11 pages)* 125019
Satoshi Iso and Sen Zhang

Spurious instabilities in multiangle simulations of collective flavor conversion *(8 pages)* 125020
Srdjan Sarikas, David de Sousa Seixas, and Georg Raffelt

Twinlike models for kinks and compactons in flat and warped spacetime *(9 pages)* 125021
D. Bazeia, A. S. Lobão, Jr., and R. Menezes

Dirac fermions in strong electric field and quantum transport in graphene *(25 pages)* 125022
S. P. Gavrilov, D. M. Gitman, and N. Yokomizo

Renormalizability of generalized quantum electrodynamics *(8 pages)* 125023
R. Bufalo, B. M. Pimentel, and G. E. Zambrano

Effective dynamics of a non-Abelian plasma out of equilibrium *(17 pages)* 125024
J. Peralta-Ramos and E. Calzetta

Probing unification scenarios with atomic clocks *(5 pages)* 125025
M. C. Ferreira, M. D. Julião, C. J. Martins, and A. M. Monteiro

Compactification of QCD_4 to QCD_2 in a flux tube *(15 pages)* 125026
Andrew V. Koshelkin and Cheuk-Yin Wong

M5-branes in the ABJM theory and the Nahm equation *(11 pages)* 125027
Tomoki Nosaka and Seiji Terashima

Nonlinear (magnetic) correction to the field of a static charge in an external field *(8 pages)* 125028
Dmitry M. Gitman and Anatoly E. Shabad

(Continued)

PHYSICAL REVIEW D **THIRD SERIES, VOLUME 86, NUMBER 12** **D15 DECEMBER 2012**

Quantified naturalness from Bayesian statistics *(16 pages)* 125029
S. Fichet

Bethe-Salpeter equation at leading order in Coulomb gauge *(20 pages)* 125030
P. Watson and H. Reinhardt

High-resolution supernova neutrino spectra represented by a simple fit *(6 pages)* 125031
Irene Tamborra, Bernhard Müller, Lorenz Hüdepohl, Hans-Thomas Janka, and Georg Raffelt

Bulk properties of a Fermi gas in a magnetic field *(15 pages)* 125032
M. Strickland, V. Dexheimer, and D. P. Menezes

Effects of a *CPT*-even and Lorentz-violating nonminimal coupling on electron-positron scattering *(6 pages)* 125033
R. Casana, M. M. Ferreira, Jr., R. V. Maluf, and F. E. dos Santos

Casimir force due to condensed vortices in a plane *(10 pages)* 125034
J. F. de Medeiros Neto, Rudnei O. Ramos, and Carlos Rafael Santos

Composite inflation from super Yang-Mills theory, orientifold, and one-flavor QCD *(8 pages)* 125035
Phongpichit Channuie, Jakob Jark Jørgensen, and Francesco Sannino

Nonuniqueness of the Fierz-Pauli mass term for a nonsymmetic tensor *(8 pages)* 125036
D. Dalmazi

Investigation of the K_F-type Lorentz-symmetry breaking gauge models with vortexlike configurations *(7 pages)* 125037
H. Belich, F. J. Leal, H. L. Louzada, and M. T. Orlando

Possible cosmological explanation of why supersymmetry is hiding at the LHC *(4 pages)* 125038
Antonio Riotto

Julia-Toulouse approach to $(d+1)$-dimensional bosonized Schwinger model with an application to large N QCD *(7 pages)* 125039
M. S. Guimaraes, R. Rougemont, C. Wotzasek, and C. A. Zarro

Form factor and width of a quantum string *(10 pages)* 125040
Arttu Rajantie, Kari Rummukainen, and David J. Weir

Analytic study for the string theory landscapes via matrix models *(7 pages)* 126001
Chuan-Tsung Chan, Hirotaka Irie, and Chi-Hsien Yeh

Production of negative parity baryons in the holographic Sakai-Sugimoto model *(17 pages)* 126002
Alfonso Ballon-Bayona, Henrique Boschi-Filho, Nelson R. Braga, Matthias Ihl, and Marcus A. Torres

Compressible quantum phases from conformal field theories in 2 + 1 dimensions *(14 pages)* 126003
Subir Sachdev

AdS null deformations with inhomogeneities *(12 pages)* 126004
K. Narayan

Baryon as dyonic instanton *(8 pages)* 126005
A. Gorsky and A. Krikun

Turbulent flows for relativistic conformal fluids in 2 + 1 dimensions *(13 pages)* 126006
Federico Carrasco, Luis Lehner, Robert C. Myers, Oscar Reula, and Ajay Singh

Mass deformed Lorentzian-Bagger-Lambert -Gustavsson theory from Aharony-Bergman-Jafferis theory *(10 pages)* 126007
Tanay K. Dey and Kamal Lochan Panigrahi

BRIEF REPORTS

Energy definition for quadratic curvature gravities *(5 pages)* 127501
Ahmet Baykal

Gravity localization and mass hierarchy in scalar-tensor branes *(5 pages)* 127502
Ke Yang, Yu-Xiao Liu, Yuan Zhong, Xiao-Long Du, and Shao-Wen Wei

Chameleon Brans-Dicke cosmology *(5 pages)* 127503
Yousef Bisabr

Wormholes supported by hybrid metric-Palatini gravity *(5 pages)* 127504
Salvatore Capozziello, Tiberiu Harko, Tomi S. Koivisto, Francisco S. Lobo, and Gonzalo J. Olmo

(Continued)

PHYSICAL REVIEW D **THIRD SERIES, VOLUME 86, NUMBER 12** **D15 DECEMBER 2012**

COMMENTS

Comment on "Self-interacting Elko dark matter with an axis of locality" *(3 pages)* 128501
Edmundo Capelas de Oliveira and Waldyr Alves Rodrigues, Jr.

ERRATA

Publisher's Note: Dispersive fields in de Sitter space and event horizon thermodynamics [Phys. Rev. D **86**, 104033 (2012)] *(1 page)* . . . . . 129901(E)
Xavier Busch and Renaud Parentani

Erratum: Stationary scalar clouds around rotating black holes [Phys. Rev. D **86**, 104026 (2012)] *(1 page)* . . . . . 129902(E)
Shahar Hod

Erratum: Chiral phase diagram in QED_3 [Phys. Rev. D **86**, 045020 (2012)] *(2 pages)* . . . . . 129903(E)
Hong-tao Feng, Song Shi, Wei-min Sun, and Hong-shi Zong