

*The Table of Contents is a total listing of Parts A and B.
Part A consists of articles 081301–084034, and Part B articles 084035–089901(E)*

PART A

RAPID COMMUNICATIONS

New prospects for detecting high-energy neutrinos from nearby supernovae (6 pages)	081301(R)
Kohta Murase	
Primordial black holes from fifth forces (6 pages)	081302(R)
Luca Amendola, Javier Rubio, and Christof Wetterich	
Production of gravitational waves during preheating with nonminimal coupling (7 pages)	081303(R)
Chengjie Fu, Puxun Wu, and Hongwei Yu	
Can the graviton have a large mass near black holes? (6 pages)	081501(R)
Jun Zhang and Shuang-Yong Zhou	
New black holes in $D = 5$ minimal gauged supergravity: Deformed boundaries and frozen horizons (6 pages)	081502(R)
Jose Luis Blázquez-Salcedo, Jutta Kunz, Francisco Navarro-Lérida, and Eugen Radu	
Quasinormal modes of a strongly coupled nonconformal plasma and approach to criticality (6 pages)	081901(R)
Panagiotis Betzios, Umut Gürsoy, Matti Järvinen, and Giuseppe Policastro	

ARTICLES

Was the cosmic ray burst detected by the GRAPES-3 muon telescope on 22 June 2015 caused by a transient weakening of the geomagnetic field or by an interplanetary anisotropy? (6 pages)	082001
P. K. Mohanty, K. P. Arunbabu, T. Aziz, S. R. Dugad, S. K. Gupta, B. Hariharan, P. Jagadeesan, A. Jain, S. D. Morris, P. K. Nayak, P. S. Rakshe, K. Ramesh, B. S. Rao, M. Zuberi, Y. Hayashi, S. Kawakami, P. Subramanian, S. Raha, S. Ahmad, A. Oshima, S. Shibata, and H. Kojima	
Identification and mitigation of narrow spectral artifacts that degrade searches for persistent gravitational waves in the first two observing runs of Advanced LIGO (22 pages)	082002
P. B. Covas <i>et al.</i> (LSC Instrument Authors)	
Vacuum birefringence and the x-ray polarization from black-hole accretion disks (11 pages)	083001
Ilaria Caiazzo and Jeremy Heyl	
Determining dark matter properties with a XENONnT/LZ signal and LHC Run 3 monojet searches (16 pages)	083002
Sebastian Baum, Riccardo Catena, Jan Conrad, Katherine Freese, and Martin B. Krauss	
Zenith angle distribution of cosmic ray showers measured with the Yakutsk array and its application to the analysis of arrival directions in equatorial coordinates (9 pages)	083003
A. A. Ivanov	
Automatic physical inference with information maximizing neural networks (20 pages)	083004
Tom Charnock, Guilhem Lavaux, and Benjamin D. Wandelt	
Gravitational lensing of photons coupled to massive particles (5 pages)	083005
J.-F. Glicenstein	



Tachyon constant-roll inflation (<i>13 pages</i>)	083006
A. Mohammadi, Kh. Saaidi, and T. Golanbari	
Study of the boxlike dark matter signals from dwarf spheroidal galaxies with Fermi-LAT data (<i>6 pages</i>)	083007
Shang Li, Yun-Feng Liang, Zi-Qing Xia, Lei Zu, Kai-Kai Duan, Zhao-Qiang Shen, Lei Feng, Qiang Yuan, and Yi-Zhong Fan	
Single progenitor model for GW150914 and GW170104 (<i>10 pages</i>)	083008
Daniel J. D’Orazio and Abraham Loeb	
Search for transient ultralight dark matter signatures with networks of precision measurement devices using a Bayesian statistics method (<i>20 pages</i>)	083009
B. M. Roberts, G. Blewitt, C. Dailey, and A. Derevianko	
Low-luminosity gamma-ray bursts as the sources of ultrahigh-energy cosmic ray nuclei (<i>16 pages</i>)	083010
B. Theodore Zhang, Kohta Murase, Shigeo S. Kimura, Shunsaku Horiuchi, and Peter Mészáros	
Matter-neutrino resonance in a multiangle neutrino bulb model (<i>15 pages</i>)	083011
Alexey Vlasenko and G. C. McLaughlin	
Bayesian analysis of the break in <i>DAMPE</i> lepton spectra (<i>17 pages</i>)	083012
Jia-Shu Niu, Tianjun Li, Ran Ding, Bin Zhu, Hui-Fang Xue, and Yang Wang	
Constraints from the time lag between gravitational waves and gamma rays: Implications of GW170817 and GRB 170817A (<i>6 pages</i>)	083013
Ian M. Shoemaker and Kohta Murase	
Evolution of the magnetized, neutrino-cooled accretion disk in the aftermath of a black hole-neutron star binary merger (<i>18 pages</i>)	083014
Fatemeh Hossein Nouri, Matthew D. Duez, Francois Foucart, M. Brett Deaton, Roland Haas, Milad Haddadi, Lawrence E. Kidder, Christian D. Ott, Harald P. Pfeiffer, Mark A. Scheel, and Bela Szilagyi	
Constraints on interquark interaction parameters with GW170817 in a binary strange star scenario (<i>6 pages</i>)	083015
En-Ping Zhou, Xia Zhou, and Ang Li	
Hydrostatic equilibrium of stars without electroneutrality constraint (<i>20 pages</i>)	083016
M. I. Krivoruchenko, D. K. Nadyozhin, and A. V. Yudin	
Two-halo term in stacked thermal Sunyaev-Zel’dovich measurements: Implications for self-similarity (<i>20 pages</i>)	083501
J. Colin Hill, Eric J. Baxter, Adam Lidz, Johnny P. Greco, and Bhuvnesh Jain	
Structure formation and microlensing with axion miniclusters (<i>30 pages</i>)	083502
Malcolm Fairbairn, David J. E. Marsh, Jérémie Quevillon, and Simon Rozier	
Generation of helical magnetic field in a viable scenario of inflationary magnetogenesis (<i>11 pages</i>)	083503
Ramkishor Sharma, Kandaswamy Subramanian, and T. R. Seshadri	
Constraining the interaction between dark sectors with future HI intensity mapping observations (<i>11 pages</i>)	083504
Xiaodong Xu, Yin-Zhe Ma, and Amanda Weltman	
Type Ia supernovae, standardizable candles, and gravity (<i>22 pages</i>)	083505
Bill S. Wright and Baojiu Li	
Imprint of thawing scalar fields on the large scale galaxy overdensity (<i>13 pages</i>)	083506
Bikash R. Dinda and Anjan A. Sen	
Domain wall and isocurvature perturbation problems in a supersymmetric axion model (<i>9 pages</i>)	083507
Masahiro Kawasaki and Eisuke Sonomoto	
Dark matter component decaying after recombination: Sensitivity to baryon acoustic oscillation and redshift space distortion probes (<i>9 pages</i>)	083508
A. Chudaykin, D. Gorbunov, and I. Tkachev	
Primordial black holes from polynomial potentials in single field inflation (<i>14 pages</i>)	083509
Mark P. Hertzberg and Masaki Yamada	
Null tests of the standard model using the linear model formalism (<i>9 pages</i>)	083510
Valerio Marra and Domenico Sapone	
Generic analysis of kinetically driven inflation (<i>12 pages</i>)	083511
Rio Saitou	
Hybrid Higgs inflation: The use of disformal transformation (<i>13 pages</i>)	083512
Seiga Sato and Kei-ichi Maeda	

(Continued)



Palatini side of inflationary attractors (5 pages)	083513
Laur Järv, Antonio Racioppi, and Tommi Tenkanen	
Inflaton fragmentation in E models of cosmological α -attractors (8 pages)	083514
Fuminori Hasegawa and Jeong-Pyong Hong	
Gravitational entropy and the cosmological no-hair conjecture (9 pages)	083515
Krzysztof Bolejko	
Gauging the cosmic acceleration with recent type Ia supernovae data sets (8 pages)	083516
Hermano Velten, Syrios Gomes, and Vinicius C. Busti	
Consistent scalar and tensor perturbation power spectra in single fluid matter bounce with dark energy era (25 pages)	083517
Anna Paula Bacalhau, Nelson Pinto-Neto, and Sandro Dias Pinto Vitenti	
Isotropy of low redshift type Ia supernovae: A Bayesian analysis (7 pages)	083518
U. Andrade, C. A. P. Bengaly, J. S. Alcaniz, and B. Santos	
Schrödinger-Poisson–Vlasov-Poisson correspondence (17 pages)	083519
Philip Mocz, Lachlan Lancaster, Anastasia Fialkov, Fernando Becerra, and Pierre-Henri Chavanis	
Quantum entanglement in de Sitter space with a wall and the decoherence of bubble universes (11 pages)	083520
Andreas Albrecht, Sugumi Kanno, and Misao Sasaki	
Effects of biases in domain wall network evolution. II. Quantitative analysis (12 pages)	083521
J. R. C. C. Correia, I. S. C. R. Leite, and C. J. A. P. Martins	
Growth of perturbations in dark energy parametrization scenarios (11 pages)	083522
Ahmad Mehrabi	
Ultraviolet complete dark energy model (11 pages)	083523
Gaurav Narain and Tianjun Li	
Scalar particle production in a simple Horndeski theory (12 pages)	083524
Hao Yu, Wen-Di Guo, Ke Yang, and Yu-Xiao Liu	
Unimodular Einstein-Cartan gravity: Dynamics and conservation laws (8 pages)	084001
Yuri Bonder and Cristóbal Corral	
Hangup effect in unequal mass binary black hole mergers and further studies of their gravitational radiation and remnant properties (25 pages)	084002
James Healy and Carlos O. Lousto	
Superradiant instabilities in the Kerr-mirror and Kerr-AdS black holes with Robin boundary conditions (12 pages)	084003
Hugo R. C. Ferreira and Carlos A. R. Herdeiro	
Self-accelerating universe in scalar-tensor theories after GW170817 (11 pages)	084004
Marco Crisostomi and Kazuya Koyama	
Speed of gravitational waves and black hole hair (15 pages)	084005
Oliver J. Tattersall, Pedro G. Ferreira, and Macarena Lagos	
Schwarzschild black hole encircled by a rotating thin disc: Properties of perturbative solution (15 pages)	084006
P. Kotlařík, O. Semerák, and P. Čížek	
Comparing an analytical spacetime metric for a merging binary to a fully nonlinear numerical evolution using curvature scalars (16 pages)	084007
Jam Sadiq, Yosef Zlochower, and Hiroyuki Nakano	
Effective gravitational coupling in modified teleparallel theories (16 pages)	084008
Habib Abedi, Salvatore Capozziello, Rocco D’Agostino, and Orlando Luongo	
Relativistic stars in vector-tensor theories (17 pages)	084009
Ryotaro Kase, Masato Minamitsuji, and Shinji Tsujikawa	
Expressions for optical scalars and deflection angle at second order in terms of curvature scalars (16 pages)	084010
Gabriel Crisnejo and Emanuel Gallo	
Constraints on Born-Infeld gravity from the speed of gravitational waves after GW170817 and GRB 170817A (6 pages)	084011
Soumya Jana, Girish Kumar Chakravarty, and Subhendra Mohanty	
Deformation of extremal black holes from stringy interactions (10 pages)	084012
Baoyi Chen and Leo C. Stein	
Remarks on the maximum luminosity (10 pages)	084013
Vitor Cardoso, Taishi Ikeda, Christopher J. Moore, and Chul-Moon Yoo	

(Continued)



Solving the relativistic inverse stellar problem through gravitational waves observation of binary neutron stars (<i>11 pages</i>) Tiziano Abdelsalhin, Andrea Maselli, and Valeria Ferrari	084014
Principal Killing strings in higher-dimensional Kerr-NUT-(A)dS spacetimes (<i>15 pages</i>) Jens Boos and Valeri P. Frolov	084015
Factorization and resummation: A new paradigm to improve gravitational wave amplitudes. II. The higher multipolar modes (<i>22 pages</i>) Francesco Messina, Alberto Maldarella, and Alessandro Nagar	084016
Bondi mass with a cosmological constant (<i>14 pages</i>) Vee-Liem Saw	084017
Lower bound on the compactness of isotropic ultracompact objects (<i>4 pages</i>) Shahar Hod	084018
Causality violations in Lovelock theories (<i>11 pages</i>) Ram Brustein and Yotam Sherf	084019
Does the black hole shadow probe the event horizon geometry? (<i>9 pages</i>) Pedro V. P. Cunha, Carlos A. R. Herdeiro, and Maria J. Rodriguez	084020
Gravitational field of static p -branes in linearized ghost-free gravity (<i>11 pages</i>) Jens Boos, Valeri P. Frolov, and Andrei Zelnikov	084021
Spacetime symmetries and topology in bimetric relativity (<i>20 pages</i>) Francesco Torsello, Mikica Kocic, Marcus Högås, and Edvard Mörtzell	084022
Spinning particles in general relativity: Momentum-velocity relation for the Mathisson-Pirani spin condition (<i>18 pages</i>) L. Filipe O. Costa, Georgios Lukes-Gerakopoulos, and Oldřich Semerák	084023
Multiple shadows from distorted static black holes (<i>18 pages</i>) Jai Grover, Jutta Kunz, Petya Nedkova, Alexander Wittig, and Stoytcho Yazadjiev	084024
Radiative double copy for Einstein-Yang-Mills theory (<i>17 pages</i>) David Chester	084025
Anisotropic strange stars under simplest minimal matter-geometry coupling in the $f(R, T)$ gravity (<i>15 pages</i>) Debabrata Deb, B. K. Guha, Farook Rahaman, and Saibal Ray	084026
Multipole analysis in the radiation field for linearized $f(R)$ gravity with irreducible Cartesian tensors (<i>18 pages</i>) Bofeng Wu and Chao-Guang Huang	084027
 Dynamics of marginally trapped surfaces in a binary black hole merger: Growth and approach to equilibrium (<i>17 pages</i>) Anshu Gupta, Badri Krishnan, Alex B. Nielsen, and Erik Schnetter	084028
Towards cosmological dynamics from loop quantum gravity (<i>20 pages</i>) Bao-Fei Li, Parampreet Singh, and Anzhong Wang	084029
Characterization of echoes: A Dyson-series representation of individual pulses (<i>12 pages</i>) Miguel R. Correia and Vitor Cardoso	084030
Topologically nontrivial black holes in Lovelock-Born-Infeld gravity (<i>8 pages</i>) N. Farhangkhah	084031
Penrose process, superradiance, and ergoregion instabilities (<i>19 pages</i>) Rodrigo Vicente, Vitor Cardoso, and Jorge C. Lopes	084032
Revisiting the analogue of the Jebsen-Birkhoff theorem in Brans-Dicke gravity (<i>6 pages</i>) Valerio Faraoni, Fayçal Hammad, Adriana M. Cardini, and Thomas Gobeil	084033
Quasinormal modes of massive fermions in Kerr spacetime: Long-lived modes and the fine structure (<i>10 pages</i>) Roman A. Konoplya and Alexander Zhidenko	084034

PART B

Event Horizon Telescope observations as probes for quantum structure of astrophysical black holes (<i>15 pages</i>) Steven B. Giddings and Dimitrios Psaltis	084035
Gravitational closure of matter field equations (<i>23 pages</i>) Maximilian Düll, Frederic P. Schuller, Nadine Stritzelberger, and Florian Wolz	084036

(Continued)



Black-hole solutions with scalar hair in Einstein-scalar-Gauss-Bonnet theories (19 pages)	084037
G. Antoniou, A. Bakopoulos, and P. Kanti	
Implications from GW170817 and I-Love-Q relations for relativistic hybrid stars (8 pages)	084038
Vasileios Paschalidis, Kent Yagi, David Alvarez-Castillo, David B. Blaschke, and Armen Sedrakian	
New aspect of critical nonlinearly charged black hole (9 pages)	084039
S. H. Hendi, Z. S. Taghadomi, and C. Corda	
Gravitational waves in Einstein-æther and generalized TeVeS theory after GW170817 (15 pages)	084040
Yungui Gong (龚云贵), Shaoqi Hou (侯绍齐), Dicong Liang (梁迪聪), and Eleftherios Papantonopoulos	
Spacetimes dressed with stealth electromagnetic fields (6 pages)	084041
Ivica Smolić	
Meissner effect for axially symmetric charged black holes (12 pages)	084042
Norman Gürlebeck and Martin Scholtz	
Observers' measurements in premetric electrodynamics: Time and radar length (16 pages)	084043
Norman Gürlebeck and Christian Pfeifer	
Axisymmetric black holes allowing for separation of variables in the Klein-Gordon and Hamilton-Jacobi equations (14 pages)	084044
R. A. Konoplya, Z. Stuchlík, and A. Zhidenko	
Exact ghost-free bigravitational waves (26 pages)	084045
Eloy Ayón-Beato, Daniel Higuera-Borja, Julio A. Méndez-Zavaleta, and Gerardo Velázquez-Rodríguez	
Conditions for defocusing around more general metrics in infinite derivative gravity (6 pages)	084046
James Edholm	
Gravitational wave searches with pulsar timing arrays: Cancellation of clock and ephemeris noises (12 pages)	084047
Massimo Tinto	
Lagrangian formulation of the general relativistic Poynting-Robertson effect (11 pages)	084048
Vittorio De Falco, Emmanuele Battista, and Maurizio Falanga	
Kerr-de Sitter spacetime, Penrose process, and the generalized area theorem (13 pages)	084049
Sourav Bhattacharya	
Constraining screened fifth forces with the electron magnetic moment (25 pages)	084050
Philippe Brax, Anne-Christine Davis, Benjamin Elder, and Leong Khim Wong	
Extended source effect on microlensing light curves by an Ellis wormhole (8 pages)	084051
Naoki Tsukamoto and Yungui Gong (龚云贵)	
Viable inflationary evolution from Einstein frame loop quantum cosmology (12 pages)	084052
Jaume de Haro, S. D. Odintsov, and V. K. Oikonomou	
Conformal and covariant Z4 formulation of the Einstein equations: Strongly hyperbolic first-order reduction and solution with discontinuous Galerkin schemes (35 pages)	084053
Michael Dumbser, Federico Guerilena, Sven Köppel, Luciano Rezzolla, and Olindo Zanotti	
Microscopic origin of black hole reentrant phase transitions (9 pages)	084054
M. Kord Zangeneh, A. Dehyadegari, A. Sheykhi, and R. B. Mann	
Spin foam propagator: A new perspective to include the cosmological constant (13 pages)	084055
Muxin Han, Zichang Huang, and Antonia Zipfel	
Innermost stable circular orbit of spinning particle in charged spinning black hole background (11 pages)	084056
Yu-Peng Zhang, Shao-Wen Wei, Wen-Di Guo, Tao-Tao Sui, and Yu-Xiao Liu	
Canonical structure of general relativity with a limiting curvature and its relation to loop quantum gravity (8 pages)	084057
N. Bodendorfer, A. Schäfer, and J. Schliemann	
Electromagnetic perturbations of black holes in general relativity coupled to nonlinear electrodynamics (11 pages)	084058
Bobir Toshmatov, Zdeněk Stuchlík, Jan Schee, and Bobomurat Ahmedov	
Numerical relativity in spherical coordinates with the Einstein Toolkit (14 pages)	084059
Vassilios Mewes, Yosef Zlochower, Manuela Campanelli, Ian Ruchlin, Zachariah B. Etienne, and Thomas W. Baumgarte	
Kramers-Kronig relations and causality conditions for graphene in the framework of the Dirac model (13 pages)	085001
G. L. Klimchitskaya and V. M. Mostepanenko	

(Continued)



Euclidean scalar field theory in the bilocal approximation (<i>11 pages</i>)	085002
S. Nagy, J. Polonyi, and I. Steib	
Domain walls and the <i>CP</i> anomaly in softly broken supersymmetric QCD (<i>11 pages</i>)	085003
Patrick Draper	
Accelerated horizons and Planck-scale kinematics (<i>11 pages</i>)	085004
Michele Arzano and Matteo Laudonio	
Gibbons-Hawking radiation of gravitons in the Poincaré and static patches of de Sitter spacetime (<i>11 pages</i>)	085005
Rafael P. Bernar, Luís C. B. Crispino, and Atsushi Higuchi	
Self-dual Skyrmons on the spheres S^{2N+1} (<i>15 pages</i>)	085006
Y. Amari and L. A. Ferreira	
Complete set of essential parameters of an effective theory (<i>9 pages</i>)	085007
M. V. Ioffe and V. V. Vereshagin	
More asymptotic safety guaranteed (<i>35 pages</i>)	085008
Andrew D. Bond and Daniel F. Litim	
Extended Rindler spacetime and a new multiverse structure (<i>33 pages</i>)	085009
Ignacio J. Araya and Itzhak Bars	
Nonrelativistic trace and diffeomorphism anomalies in particle number background (<i>15 pages</i>)	085010
Roberto Auzzi, Stefano Baiguera, and Giuseppe Nardelli	
Beyond-proximity-force-approximation Casimir force between two spheres at finite temperature (<i>11 pages</i>)	085011
Giuseppe Bimonte	
Quantum memory for Rindler supertranslations (<i>11 pages</i>)	085012
Sanved Kolekar and Jorma Louko	
Thermodynamic equilibrium with acceleration and the Unruh effect (<i>12 pages</i>)	085013
F. Becattini	
Greybody factors for a minimally coupled scalar field in a three-dimensional Einstein-power-Maxwell black hole background (<i>6 pages</i>)	085014
Grigoris Panotopoulos and Ángel Rincón	
$\mathcal{N} = 4$ supersymmetric mechanics on curved spaces (<i>8 pages</i>)	085015
Nikolay Kozyrev, Sergey Krivonos, Olaf Lechtenfeld, Armen Nersessian, and Anton Sutulin	
Renormalization of QCD in the interpolating momentum subtraction scheme at three loops (<i>32 pages</i>)	085016
J. A. Gracey and R. M. Simms	
Curvature bound from gravitational catalysis (<i>17 pages</i>)	085017
Holger Gies and Riccardo Martini	
Numbers and functions in quantum field theory (<i>20 pages</i>)	085018
Oliver Schnetz	
Bound states and the classical double copy (<i>8 pages</i>)	085019
Walter D. Goldberger and Alexander K. Ridgway	
IR properties of chiral effects in pionic matter (<i>6 pages</i>)	085020
A. Avdoshkin, A. V. Sadofyev, and V. I. Zakharov	
Entanglement dynamics in a Kerr spacetime (<i>21 pages</i>)	085021
G. Menezes	
Mode solutions for a Klein-Gordon field in anti-de Sitter spacetime with dynamical boundary conditions of Wentzell type (<i>12 pages</i>)	085022
Claudio Dappiaggi, Hugo R. C. Ferreira, and Benito A. Juárez-Aubry	
Scalar Casimir densities and forces for parallel plates in cosmic string spacetime (<i>22 pages</i>)	085023
E. R. Bezerra de Mello, A. A. Saharian, and S. V. Abajyan	
Clifford structures in noncommutative geometry and the extended scalar sector (<i>12 pages</i>)	085024
Maxim A. Kurkov and Fedele Lizzi	
Nonlinear evolution dynamics of holographic superconductor model with scalar self-interaction (<i>9 pages</i>)	086001
Ran Li, Tieguang Zi, and Hongbao Zhang	
Graviton multipoint amplitudes for higher-derivative gravity in anti-de Sitter space (<i>10 pages</i>)	086002
M. M. W. Shawa and A. J. M. Medved	

(Continued)



Bulk entanglement gravity without a boundary: Towards finding Einstein's equation in Hilbert space (15 pages)	086003
ChunJun Cao and Sean M. Carroll	
Quantum gravity fluctuations flatten the Planck-scale Higgs potential (17 pages)	086004
Astrid Eichhorn, Yuta Hamada, Johannes Lumma, and Masatoshi Yamada	
Holography and thermalization in optical pump-probe spectroscopy (7 pages)	086005
A. Bagrov, B. Craps, F. Galli, V. Keränen, E. Keski-Vakkuri, and J. Zaanen	
Asymptotic safety of quantum gravity beyond Ricci scalars (34 pages)	086006
Kevin Falls, Callum R. King, Daniel F. Litim, Kostas Nikolakopoulos, and Christoph Rahmede	
Abelian tensor models on the lattice (35 pages)	086007
Soumyadeep Chaudhuri, Victor I. Giraldo-Rivera, Anosh Joseph, R. Loganayagam, and Junggi Yoon	
Spectral determinants for twist field correlators (12 pages)	086008
A. V. Belitsky	
Volume simplicity constraint in the Engle-Livine-Pereira-Rovelli spin foam model (9 pages)	086009
Benjamin Bahr and Vadim Belov	
Deformation of the Engle-Livine-Pereira-Rovelli spin foam model by a cosmological constant (10 pages)	086010
Benjamin Bahr and Giovanni Rabuffo	
Tunneling from the past horizon (7 pages)	086011
Subeom Kang and Dong-han Yeom	
Inhomogeneous Jacobi equation for minimal surfaces and perturbative change in holographic entanglement entropy (18 pages)	086012
Avirup Ghosh and Rohit Mishra	
New constraints for holographic entropy from maximin: A no-go theorem (9 pages)	086013
Massimiliano Rota and Sean J. Weinberg	
Conformal blocks from Wilson lines with loop corrections (29 pages)	086014
Yasuaki Hikida and Takahiro Uetoko	
Second law of quantum complexity (29 pages)	086015
Adam R. Brown and Leonard Susskind	
Quantum theory of charged isolated horizons (21 pages)	086016
Konstantin Eder and Hanno Sahlmann	
Effective holographic theory of charge density waves (18 pages)	086017
Andrea Amoretti, Daniel Areán, Blaise Goutéraux, and Daniele Musso	
Subregion holographic complexity and renormalization group flows (10 pages)	086018
Pratim Roy and Tapobrata Sarkar	
Spectral distances on the doubled Moyal plane using Dirac eigenspinors (16 pages)	086019
Kaushlendra Kumar and Biswajit Chakraborty	
Testing holography using lattice super-Yang-Mills theory on a 2-torus (25 pages)	086020
Simon Catterall, Raghav G. Jha, David Schaich, and Toby Wiseman	

COMMENTS

Comment on "Measurements without probabilities in the final state proposal" (5 pages)	088501
Eliahu Cohen and Marcin Nowakowski	
Reply to "Comment on 'Measurements without probabilities in the final state proposal'" (1 pages)	088502
Raphael Bousso and Douglas Stanford	

ERRATA

Erratum: Hyperscaling violating black hole solutions and magneto-thermoelectric DC conductivities in holography [Phys. Rev. D 96, 046015 (2017)] (2 pages)	089901
Xian-Hui Ge, Yu Tian, Shang-Yu Wu, and Shao-Feng Wu	

