

JGRG30 Program (Waseda University, Tokyo)

- Outstanding presentation awards: those who are eligible are marked with an asterisk (*).
- This program is based on Japanese standard time (JST) = GMT+9.

	6 Dec (Mon)	7 Dec (Tue)	8 Dec (Wed)	9 Dec (Thu)	10 Dec (Fri)
9:00	Opening	Parallel Session B1a & B1b	Invited talk Hisaaki Shinkai	Parallel Session D1a & D1b	Invited talk Yu-tin Huang
	Invited talk Mark Trodden		Break		Break
10:00	Short poster talks		Parallel Session C1a & C1b		Session E
	Break	Break	Break		
11:00	Parallel Session A1a & A1b	Parallel Session B2a & B2b	Parallel Session D2a & D2b		
12:00	Lunch & poster	Lunch & poster	Lunch & poster	Lunch & poster	Awards & Closing
13:00					
14:00			Coffee & Posters		
	Parallel Session A2a & A2b	Parallel Session B3a & B3b		Parallel Session D3a & D3b	
15:00			Parallel Session C2a & C2b		
16:00	Coffee & Posters	Coffee & Posters	Break	Coffee & Posters	
17:00	Invited talk Ed Copeland	Invited talk Ana Achucarro	Invited talk Kenta Kiuchi	Invited talk Krishnendu Varium	
18:00	Invited talk Hiranya Peiris	Invited talk Ilia Musco	Invited talk Vitor Cardoso	SOC Meeting	
19:00			Online Banquet		

Monday, December 6

- 9:00 – 9:15 Opening Remark by Shinji Tsujikawa
- 9:15 – 10:00 Invited Talk (Chair : Shinji Mukohyama)
Mark Trodden
“Coupled Early Dark Energy”
- 10:00 – 10:30 Short Poster Talks
- 10:30 – 10:45 Break
- 10:45 – 12:00 Parallel Session A1 (A1a & A1b)
- 12:00 – 14:30 Lunch & Poster
- 14:30 – 16:00 Parallel Session A2 (A2a & A2b)
- 16:00 – 17:00 Coffee & Posters
- 17:00 – 17:45 Invited Talk (Chair : Tsutomu Kobayashi)
Ed Copeland
“Approaches to understanding dark energy”
- 17:45 – 18:30 Invited Talk (Chair : Koutarou Kyutoku)
Hiranya Peiris
“Survey Cosmology in the Multimessenger Era”

-Parallel Session A1-

Parallel Session (a) (Chair : Toshifumi Noumi)

- 10:45 – 12:00 [A1a1] *Akira Matsumura (Kyushu University)
Entanglement-free witness for non-classical gravity
- [A1a2] *Youka Kaku (Nagoya University)
Quantum gravity witness using the quantum clock
- [A1a3] Ar Rohim (Hiroshima University)
Gravitational quantum states of relativistic bouncing particles
- [A1a4] *Daisuke Miki (Kyushu University)
Non-Gaussian entanglement in gravitating masses
- [A1a5] Hing-Tong Cho (Tamkang University)
Quantum noise and stochastic force from gravitons

Parallel Session (b) (Chair : Ryo Saito)

- 10:45 – 12:00 [A1b1] *Jun'ya Kume (RESCEU, Univ. of Tokyo)
Gravitational birefringence in the primordial chiral plasma
- [A1b2] *Masaya Amo (YITP)
Asymptotic behavior of null geodesics near future null infinity:
Relationship to gravitational waves and curvature
- [A1b3] *Sota Sato (Kobe University)
Positivity Bounds on Dark Photon Models
- [A1b4] Shaoqi Hou (Wuhan University)
Asymptotic analysis of Chern-Simons modified gravity and its memory effects

-Parallel Session A2-

Parallel Session (a) (Chair : Daisuke Yamauchi)

- 14:30 – 16:00 [A2a1] Keisuke Nakashi (NIT, Kochi College)
Stealth black hole perturbations in DHOST theories
- [A2a2] Yue Nan (Hiroshima University)
Large-scale structure with inhomogeneous dark energy
- [A2a3] *Yusuke Manita (Kyoto University)
Linear growth of structure in Projected Massive Gravity
- [A2a4] *Prajwal Hassan Puttasiddappa (University of Heidelberg)
Difficulties in reconciling Newton's Constant locally in Brans Dicke Cosmology
- [A2a5] *Luciano Petrucciello (University of Salerno & INFN - National Institute for Nuclear Physics)
Quantum gravitational decoherence from minimal length scale
- [A2a6] *David Figueruelo (University of Salamanca)
Momentum transfer in the dark sector and the role of Λ_8

Parallel Session (b) (Chair : Yuichiro Tada)

- 14:30 – 16:00 [A2b1] *Ryoto Inui (Nagoya University)
LISA-consistency with primordial black holes as dark matter in light of the exponential tail
- [A2b2] Shi Pi (ITP, CAS)
Primordial Black Holes in the curvaton scenario
- [A2b3] *Lakhdar Sek (University of Biskra-Algeria)
Dirac oscillator in noncommutative space

[A2b4] Eugeny Babichev (IJCLab)

Dark Matter via inverse phase transition and gravitational wave signal

[A2b5] *Hilberto da Silva (Instituto de Astrofísica e Ciências do Espaço)

Local Cosmic Strings in Hybrid metric-Palatini Gravity

[A2b6] *Keita Takizawa (Hirosaki University)

Gravitational lens equations in de-Sitter and anti-de Sitter backgrounds

Tuesday, December 7

- 9:00 – 10:30 Parallel Session B1 (B1a & B1b)
- 10:30 – 10:45 Break
- 10:45 – 12:00 Parallel Session B2 (B2a & B2b)
- 12:00 – 14:30 Lunch & Poster
- 14:30 – 16:00 Parallel Session B3 (B3a & B3b)
- 16:00 – 17:00 Coffee & Posters
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- 17:00 – 17:45 Invited Talk (Chair : Masahide Yamaguchi)
Ana Achucarro
“A handmade tail, and other (multifield inflation) stories”
- 17:45 – 18:30 Invited Talk (Chair : Tomohiro Harada)
Ilia Musco
“Primordial Black Holes: formation and cosmological abundance”

-Parallel Session B1-

Parallel Session (a) (Chair : Atsushi Naruko)

- 9:00 – 10:30 [B1a1] *Tact Ikeda (Rikkyo Univ.)
Generalized Proca in metric-affine formalism
- [B1a2] *Kota Numajiri (Nagoya University)
Compact Star in General $F(R)$ Gravity: Inevitable Degeneracy Problem and Non-Integer Power Correction
- [B1a3] *Norihiro Tanahashi (Chuo University)
Invertibility conditions for field transformations with derivatives: toward extensions of disformal transformations
- [B1a4] *Daisuke Yoshida (Kobe University)
Singularity theorem for non-singular universe
- [B1a5] *Yuichi Miyashita (Tokyo Institute of Technology)
topological defects in nonlocal field theories
- [B1a6] *Katsuki Aoki (YITP)
Positivity vs. Lorentz-violation

Parallel Session (b) (Chair : Shijun Yoshida)

- 9:00 – 10:30 [B1b1] *Taiga Miyachi (Kobe University)
False vacuum decay in a two-dimensional black hole spacetime
- [B1b2] *Takuya Katagiri (Rikkyo university)
The Aretakis constants and instability in general spherically symmetric extremal black hole spacetimes: higher multipole modes, late-time tails, and geometrical meanings
- [B1b3] *Yasutaka Koga (Nagoya University)
Photon sphere and black hole shadow in Vaidya spacetime
- [B1b4] *Takahisa IGATA (High Energy Accelerator Research Organization)
Retrograde periapsis shift due to extended matter distribution
- [B1b5] *Jinbo Yang (Kanazawa University)
How well are trapping horizons for describing an evolving wormhole: Analytic example
- [B1b6] *Horng Sheng Chia (Institute for Advanced Study) [pre-recorded]
Tidal Deformation and Dissipation of Rotating Black Holes

-Parallel Session B2-

Parallel Session (a) (Chair : Kohei Kamada)

- 10:45 – 12:00 [B2a1] *Chong-Bin Chen (Kobe University)
Geometrical Destabilization of Multi-Scalar-Gauge Inflation
- [B2a2] *Yusuke Mikura (Nagoya University)
On UV-completion of Palatini-Higgs inflation
- [B2a3] *Pengyuan Gao (Kobe University)
Inflation with an SU(3) gauge field
- [B2a4] *Yukiyoshi Morishita (Nagoya Uni.)
Mixed multi-inflaton and spectator field models: Implications to recent BICEP/Keck 2018 result
- [B2a5] *Tomoaki Murata (Rikkyo University)
A numerical study on initial conditions for axion-SU(2) inflation

Parallel Session (b) (Chair : Keiju Murata)

- 10:45 – 12:00 [B2b1] *Kimihiro Nomura (Kobe University)
Quasinormal modes of charged black holes with corrections from nonlinear electrodynamics

[B2b2] *Naritaka Oshita (RIKEN, iTHEMS)
On the ease of excitation of black hole overtones

[B2b3] *Yuki Osawa (Nagoya university)
Entanglement Structure of Analogous Black Hall

[B2b4] *Takafumi Kokubu (Kavli IPMU)
Confined Penrose process with charged particles

[B2b5] *Jun Tsujimura (Nagoya University)
Observing black holes through superconductors

-Parallel Session B3-

Parallel Session (a) (Chair : Ryo Namba)

- 14:30 – 16:00 [B3a1] *Mian Zhu (The Hong Kong University of Science and Technology)
Alternative to inflation scenario from DHOST cosmology
- [B3a2] *Nils A. Nilsson (CQUeST/Sogang University)
Spacetime symmetries in the early Universe
- [B3a3] *Sravan Kumar (Tokyo Institute of Technology)
Conformal GUT inflation, Dark matter and Standard Model
- [B3a4] *Beatriz Elizaga Navascués (Waseda University)
Relativistic vs. loop quantum effects in the primordial power spectrum
- [B3a5] *Lucas Pinol (IFT Madrid (UAM-CSIC))
The non-linear Universe as a particle detector
- [B3a6] *P. Jishnu Sai (Indian Institute of Science)
On the primordial correlation of gravitons with gauge fields

Parallel Session (b) (Chair : Norihiro Tanahashi)

- 14:30 – 16:00 [B3b1] Masashi Kimura (Rikkyo University)
Metric Backreaction of the Blandford-Znajek Process
- [B3b2] *Daniele Gregoris (Jiangsu University of Science and Technology)
Understanding Gravitational Entropy of Black Holes: A New Proposal via Curvature Invariants
- [B3b3] Chun-Hung Chen (The Institute for Fundamental Study, Naresuan University)
On the Dolan-Ottewill method for solving quasinormal modes
- [B3b4] *Ratchaphat Nakarachinda (Naresuan university)
Effective thermodynamical system of Schwarzschild–de Sitter black holes from Renyi statistics

[B3b5] *Emmanuel Frion (Helsinki Institute of Physics) [pre-recorded]

Testing the Equivalence Principle with Black Hole Shadows and Photon Rings

[B3b6] *Alejandro García-Quismondo (Institute for the Structure of Matter (IEM-CSIC))

Investigating an alternative Hamiltonian derivation of the Ashtekar-Olmedo-Singh black hole solution

Wednesday, December 8

- 9:00 – 9:45 Invited Talk (Chair : Takahiro Tanaka)
Hisaaki Shinkai
“LIGO-Virgo-KAGRA network for hunting gravitational waves”
- 9:45 – 10:00 Break
- 10:00 – 12:00 Parallel Session C1 (C1a & C1b)
- 12:00 – 15:30 Lunch & Poster
- 15:30 – 16:45 Parallel Session C2 (C2a & C2b)
- 16:45 – 17:00 Break
- 17:00 – 17:45 Invited Talk (Chair : Koutarou Kyutoku)
Kenta Kiuchi
“Recent progress of numerical relativity simulations of compact objects and its application to gravitational wave astrophysics”
- 17:45 – 18:30 Invited Talk (Chair : Chulmoon Yoo)
Vitor Cardoso
“Testing GR with GWs”
- 19:00 - Online Banquet

-Parallel Session C1-

Parallel Session (a) (Chair : Atsushi Nishizawa)

- 10:00 – 12:00 [C1a1] Anzhong Wang (Baylor University)
Testing Gravitational Theories with Broken Lorentz Symmetry by Gravitational Wave Observations
- [C1a2] *Nami Uchikata (ICRR Univ. of Tokyo)
Parameter estimation on superspinar binaries using gravitational waves
- [C1a3] *Tatsuya Narikawa (ICRR, The University of Tokyo)
Gravitational-wave constraints on the GWTC-2 events by measuring the tidal deformability and the spin-induced quadrupole moment
- [C1a4] *PRITI GUPTA (KYOTO UNIVERSITY)
Impact of tidal resonances in extreme-mass-ratio inspirals
- [C1a5] Norichika Sago (Kyoto University)
Oscillations in the EMRI gravitational wave phase correction as a probe of reflective boundary of the central black hole

[C1a6] *Alejandro Torres-Orjuela (TianQin Center for Gravitational Physics)

Detecting the motion of gravitational wave sources

[C1a7] *Lu Yin (Sogang University)

Gravitational waves from the vacuum decay with LISA

[C1a8] *Yun Fang (Kavli Institute for Astronomy and Astrophysics, Peking University)

Tests for the existence of horizon through gravitational waves from a small binary in the vicinity of a massive object

Parallel Session (b) (Chair : Hayato Motohashi)

10:00 – 12:00

[C1b1] *Asuka Ito (Tokyo institute of technology)

Effects of Earth's gravity on electron (muon) $g-2$ measurements

[C1b2] *Kouki Kushihara (Graduate School of Mathematics, Nagoya University)

Holographic Entanglement Entropy of deSitter Braneworld with Higher Curvature Terms

[C1b3] Atsushi Naruko (CGP, YITP, Kyoto U)

Axion Cloud Decay due to the Axion-photon Conversion with Background Magnetic Fields

[C1b4] *Paul Martens (YITP, Kyoto University)

Reheating after relaxation of large cosmological constant

[C1b5] *Benliang Li (southwest jiaotong university) [pre-recorded]

The Underlying Mechanisms of Time Dilation in Curved Space-Time

[C1b6] Jia-Hui Huang (South China Normal University) [pre-recorded]

Analytical study on superradiant stability of higher dimensional RN black holes

[C1b7] *Shin'ichi Hirano (Nagoya University)

Black holes in effective field theory extension of GR with parity violating terms and scalar field

[C1b8] *Kazufumi Takahashi (YITP, Kyoto University)

Perturbations of stealth black holes in modified gravity

-Parallel Session C2-

Parallel Session (a) (Chair : Tsutomu Kobayashi)

15:30 – 16:45

[C2a1] *Masroor Chandhanapparambil Pookkillath (Yukawa Institute for Theoretical Physics, Kyoto University)

Minimal theory of massive gravity and constraints on the graviton mass

[C2a2] *Reginald Christian Bernardo (Institute of Physics, Academia Sinica)

Towards well-tempered dark energy and teleparallel gravity

[C2a3] *Pheiroijam Suranjoy Singh (Bodoland University)

Is the cosmic doomsday inevitable when the dark energy EoS parameter is less than -1?

[C2a4] *Tiago Gonçalves (Institute of Astrophysics and Space Sciences, Faculty of Sciences of the University of Lisbon)

Accelerated cosmological expansion in $f(R,T)$ gravity

[C2a5] *Ricardo Landim (Technical University of Munich)

Fractional Dark Energy

Parallel Session (b) (Chair : Teruaki Suyama)

15:30 – 16:45 [C2b1] * Kota Hayashi (YITP, Kyoto U.)

General-relativistic neutrino-radiation magnetohydrodynamics simulations of black hole-neutron star merger

[C2b2] Tomohiro Harada (Rikkyo University)

Spins of primordial black holes formed in the radiation-dominated phase of the universe: first-order effect

[C2b3] *Ying-li Zhang (Tongji University)

The primordial power spectrum of curvature perturbations from the primordial black hole scenario

[C2b4] *Michael Zantedeschi (Max-Planck Institute for Physics, Munich)

Primordial Black Holes from Confinement

[C2b5] *Albert Escrivà (ULB (Brussels University))

Numerical simulations of Primordial Black Holes with non-Gaussianities

Thursday, December 9

9:00 – 10:30	Parallel Session D1 (D1a & D1b)
10:30 – 10:45	Break
10:45 – 12:00	Parallel Session D2 (D2a & D2b)
12:00 – 14:30	Lunch & Poster
14:30 – 16:00	Parallel Session D3 (D3a & D3b)
16:00 – 17:00	Coffee & Posters
17:00 – 17:45	Invited Talk (Chair : Yousuke Itoh) Krishnendu Naderi Varium “Tests of general relativity with gravitational waves”
17:45 –	SOC Meeting

-Parallel Session D1-

Parallel Session (a) (Chair : Katsuki Aoki)

9:00 – 10:30	[D1a1] Shun Arai (CGP, YITP) Gradient expansion approach for generic scalar-tensor theories
	[D1a2] *Aya Iyonaga (Rikkyo University) Distinguishing modified gravity with just two tensorial degrees of freedom from general relativity: cosmology
	[D1a3] *Hiroaki Tahara (Rikkyo University) Higher-order terms in Einstein-Aether theory with parity violation
	[D1a4] *Taisuke Matsuda (YITP) Cosmological memory effect in scalar-tensor gravity
	[D1a5] * Zhi-Bang Yao (Sun Yat-sen University) [pre-recorded] Minimal theory of single and bi-metric gravity with multiple auxiliary constraints
	[D1a6] *Yu-min Hu (Sun Yat-sen University) [pre-recorded] Building ghost-free scalar-tensor theories from spatially covariant gravity

Parallel Session (b) (Chair : Umpei Miyamoto)

9:00 – 10:30	[D1b1] *Kazushige Ueda (Kyushu University) Numerical Investigation of Quasi-normal Mode in Kerr-AdS ₅ Black Hole
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[D1b2] *Ryotaku Suzuki (Toyota Technological Institute)

Squashed black holes at large D

[D1b3] *Daiki Saito (Nagoya University)

False Vacuum Decay in Rotating Spacetimes

[D1b4] *Sebastian Bahamonde (Tokyo Institute of Technology)

Black holes solutions in metric-affine gravity with dynamical torsion and nonmetricity

-Parallel Session D2-

Parallel Session (a) (Chair : Shuichiro Yokoyama)

10:45 – 12:00

[D2a1] Kazuharu Bamba (Fukushima University) [pre-recorded]

Generation of magnetic fields from the coupling of electromagnetic fields with a higher curvature term in inflationary cosmology

[D2a2] *Kanji Nishii (Kobe Univ.)

String Excitation by Initial Singularity of Inflation

[D2a3] Yuichiro Tada (Nagoya University)

Probability density functions of coarse-grained curvature and density perturbations in stochastic inflation

[D2a4] *Jason Kristiano (RESCEU, The University of Tokyo)

Theoretical bound of primordial non-Gaussianity in single field inflation

[D2a5] *Taiga Hasegawa (Yamaguchi University)

Eisenhart-Duval lift for minisuperspace quantum cosmology

Parallel Session (b) (Chair : Kunihiro Uzawa)

10:45 – 12:00

[D2b1] Keiju Murata (Nihon University)

Superradiant instability of Myers-Perry black strings

[D2b2] Takaaki Ishii (Rikkyo University)

Helical black strings from superradiant instability

[D2b3] *Hidetoshi Omiya (Kyoto U)

Adiabatic evolution of the strongly self-interacting axion cloud

[D2b4] *Takuya Takahashi (Kyoto University)

Can we detect the signature of axion clouds in black hole binaries?

[D2b5] *Takeshi Shinohara (Nagoya Univ. Mathematics)

Divergence equations and uniqueness theorem of static spacetimes with conformal scalar hair

-Parallel Session D3-

Parallel Session (a) (Chair : Tomo Takahashi)

- 14:30 – 16:00 [D3a1] *Yo Toda (Hokkaido University)
Hubble tension with an extra radiation and neutrino degeneracy
- [D3a2] *Shao-Jiang Wang (Institute of Theoretical Physics, Chinese Academy of Sciences)
Improved no-go argument from inverse distance ladder
- [D3a3] *Ippei Obata (MPA, Germany)
Cosmic birefringence measurement and its implications for the axion search
- [D3a4] *Jackson Levi Said (University of Malta)
Model-Independent Techniques to Reconstructing Late-Time Cosmological Data
- [D3a5] Riccardo Della Monica (Universidad de Salamanca)
Orbital precession of the S2 star in Scalar-Tensor-Vector-Gravity
- [D3a6] Takashi Hiramatsu (Rikkyo University)
CMB constraints on a subclass of DHOST theories

Parallel Session (b) (Chair : Keisuke Izumi)

- 14:30 – 16:00 [D3b1] *Sofia Di Gennaro (Yangzhou University) [pre-recorded]
Maximum Force and Black Hole Thermodynamic Instability
- [D3b2] *Che-Yu Chen (Institute of Physics, Academia Sinica)
Testing equatorial reflection symmetry of rotating black holes
- [D3b3] *Hsu-Wen Chiang (LeCosPA, National Taiwan University)
Would gravitational wave implosion around a central black hole generate horizon deformation akin to supertranslation?
- [D3b4] *Timothy Anson (ITMP, Moscow)
Disforming the Kerr metric
- [D3b5] *Masato Minamitsuji (CENTRA, IST, U-Lisboa) [pre-recorded]
Black holes in the extended vector-tensor theories

Friday, December 10

- 9:00 – 9:45 Invited Talk (Chair : Jun'ichi Yokoyama)
Yu-tin Huang
“Classical BH dynamics from scattering amplitudes”
- 9:45 – 10:00 Break
- 10:00 – 12:00 Session E
- 12:00 – 13:00 Awards by Shinji Tsujikawa
Closing Remark by Takahiro Tanaka

- *Session E*- (Chair : Ken-ichi Nakao)

- [E1] Yoshimune Tomikawa (Matsuyama University)
On uniqueness of static spacetime with conformal scalar in higher dimensions
- [E2] Kohei Kamada (RESCEU)
wash-in leptogenesis and its application
- [E3] Kunihiro Uzawa (Hirosaki University)
Dynamical brane on orbifold
- [E4] Sebastian Garcia-Saenz (SUSTech)
A new class of vector-tensor theories and its cosmology
- [E5] Hayato Motohashi (Kogakuin University)
Exact solution for wave scattering from black holes
- [E6] Hideki Maeda (Hokkai-Gakuen University)
Quest for realistic non-singular black-hole geometries: Regular-center type
- [E7] Sousuke Noda (National Institute of Technology, Miyakonojo College)
Alfvénic superradiance in a force-free magnetosphere of a Kerr black hole

- Poster presentations -

- [P1] *Shingo Akama (Rikkyo University)
Non-Bunch-Davies effect on primordial tensor non-Gaussianities in beyond GLPV theories
- [P2] *ZhenYuan WU (Yamaguchi University)
Antipodal correlation of the inflationary primordial gravitational waves
- [P3] *Akira Dohi (Kyushu University)
Neutron Star Cooling in Scalar-Tensor Theories
- [P4] Kouji Nakamura (NAOJ, GWSP)
Proposal of a gauge-invariant treatment of $l=0,1$ -mode perturbations on the Schwarzschild background spacetime
- [P5] *Junsei Tokuda (Kobe U.)
Gravitational positivity bounds on scalar potentials and applications to the Higgs sector
- [P6] *Keitaro Tomikawa (Rikkyo University)
Propagation of gravitational waves in an inhomogeneous universe in modified gravity
- [P7] *Kota Ogasawara (Kyoto University)
Photon escape in the extremal Kerr black hole spacetime
- [P8] Masato Nozawa (Osaka Institute of Technology)
Gauged supergravities in six dimensions from orientifold compactifications
- [P9] *Ken Matsuno (Osaka City University)
Hawking radiation from squashed Kaluza-Klein black holes with quantum gravity effects
- [P10] Takashi Mishima (Nihon University)
Nonlinear behavior of new cylindrically symmetric waves of Einstein-Maxwell system
- [P11] *Tatsuki Kodama (Saga University)
Relaxing inflation models with non-minimal coupling: A general study
- [P12] *Seiga SATO (Waseda University)
Predicting complex trajectories around Kerr black hole via deep learning
- [P13] Yuuki Sugiyama (Kyushu University)
The effect of dynamical electromagnetic fields on entanglement
- [P14] Yong Song (University of Science and Technology of China)
The evolutions of the innermost stable circular orbits in dynamical spacetimes
- [P15] Takahiro Tanaka (Kyoto University)
Simple justification of δN formalism and its generalization
- [P16] Shinya Tomizawa (Toyota Technological Institute)
Angular momenta in microstate geometries and black holes in five dimensions

[P17] Shinpei Tonosaki (Hirosaki University)

A master hydrostatic equation for Newtonian stars in generic higher-curvature gravity

[P18] Tsutomu Kobayashi (Rikkyo University)

Black holes in spatially covariant gravity with two tensorial degrees of freedom

[P19] Chulmoon Yoo (Nagoya Univ.)

Simulation of PBH formation from iso-curvature perturbations

[P20] *Yosuke Mishima (Rikkyo University)

Preferred frame effects for nonluminal GWs in pulsar timing arrays

[P21] *Taishi Ikeda (Sapienza University of Rome)

Black hole eating boson stars

[P22] *Koki Tokeshi (The University of Tokyo)

PBH abundance revised from joint formation criteria

[P23] *J. Fernando Abalos (CIEM-CONICET, Universidad Nacional de Córdoba (UNC))

On constraint preservation for quasi-linear first-order PDEs

[P24] *Minxi He (KEK)

Reheating Process in Mixed Higgs- R^2 Model

[P25] *Takumi Hayashi (RESCEU)

Vacuum decay with the Lorentzian path integral