



JGRG32 programme

updated at 12:00 26th Nov.

	11/27 A	11/27 B	11/28 A	11/28 B	11/29 A	11/29 B	11/30 A	11/30 B	12/1 A	12/1 B
09:00 - 09:15										
09:15 - 09:30										
09:30 - 09:45			1128-I1 Vikman		1129-I1 Rosswog		1130-I1 Miyatake		1201-I1 Figueras	
09:45 - 10:00			Break				Break		Break	
10:00 - 10:15			*1128-A1-1	*1128-B1-1			*1130-A1-1	*1130-B1-1	1201-A-1	1201-B-1
10:15 - 10:30			*1128-A1-2	*1128-B1-2			*1130-A1-2	*1130-B1-2	1201-A-2	1201-B-2
10:30 - 10:45			*1128-A1-3	*1128-B1-3			*1130-A1-3	*1130-B1-3	1201-A-3	1201-B-3
10:45 - 11:00			*1128-A1-4	*1128-B1-4			*1130-A1-4	1130-B1-4	1201-A-4	
11:00 - 11:15			Break				Break		Break	
11:15 - 11:30			1128-A2-1	*1128-B2-1			*1130-A2-1	*1130-B2-1		
11:30 - 11:45			*1128-A2-2	*1128-B2-2			*1130-A2-2	*1130-B2-2		
11:45 - 12:00			*1128-A2-3	*1128-B2-3			*1130-A2-3	*1130-B2-3	1201-I2 Takayanagi	
12:00 - 12:15			*1128-A2-4	*1128-B2-4	Poster flash and poster		*1130-A2-4	*1130-B2-4	award & closing	
12:15 - 12:30			1128-A2-5	1128-B2-5			*1130-A2-5			
12:30 - 12:45										
12:45 - 13:00										
13:00 - 13:15										
13:15 - 13:30	Reception									
13:30 - 13:45	Opening									
13:45 - 14:00			lunch		lunch		lunch			
14:00 - 14:15					*1129-A1-1	*1129-B1-1				
14:15 - 14:30	1127-I1 Morisaki		1128-I2 Ferreira		*1129-A1-2	1129-B1-2	1130-I2 Khuri			
14:30 - 14:45			Break		*1129-A1-3	*1129-B1-3	Break			
14:45 - 15:00	1127-I2 Pi		1128-A3-1	*1128-B3-1	*1129-A1-4	*1129-B1-4	*1130-A3-1	*1130-B3-1		
15:00 - 15:15			*1128-A3-2	*1128-B3-2	Break		*1130-A3-2	*1130-B3-2		
15:15 - 15:30	Break		*1128-A3-3	*1128-B3-3	*1129-A2-1	*1129-B2-1	*1130-A3-3	*1130-B3-3		
15:30 - 15:45			*1128-A3-4	*1128-B3-4	1129-A2-2	*1129-B2-2	*1130-A3-4	*1130-B3-4		
15:45 - 16:00	*1127-A1-1	*1127-B1-1			*1129-A2-3	*1129-B2-3				
16:00 - 16:15	*1127-A1-2	*1127-B1-2	Break		*1129-A2-4	*1129-B2-4	Break			
16:15 - 16:30	*1127-A1-3	*1127-B1-3								
16:30 - 16:45	*1127-A1-4	*1127-B1-4	1128-A4-1	*1128-B4-1	Break		*1130-A4-1	*1130-B4-1		
16:45 - 17:00	Break	Break	*1128-A4-2	*1128-B4-2			*1130-A4-2	*1130-B4-2		
17:00 - 17:15	*1127-A2-1	*1127-B2-1	*1128-A4-3	*1128-B4-3	1129-I2 Yunes		*1130-A4-3	*1130-B4-3		
17:15 - 17:30	*1127-A2-2	*1127-B2-2	*1128-A4-4	1128-B4-4			*1130-A4-4	*1130-B4-4		
17:30 - 17:45	*1127-A2-3	1127-B2-3	*1128-A4-5	*1128-B4-5			*1130-A4-5	*1130-B4-5		
17:45 - 18:00	*1127-A2-4		*1128-A4-6	1128-B4-6	1129-I3 Pound		*1130-A4-6	*1130-B4-6		
18:00 - 18:15							SOC			
18:15 - 18:30										
18:30 - 18:45										
18:45 - 20:45						Banquet@Nanbu Shokudo				

Page 1 : Invited talks (40 min + 5 min)

Page 2, 3 : Poster presentations

Page 3 - 10 : Parallel presentations (12 min + 3 min) + URL of Voting Forms

“*” denotes a candidate for the JGRG presentation award

Invited Talks

27th Nov. 13:45 - 15:15 Chair: Kiyotomo Ichiki & Chulmoon Yoo

Soichiro Morisaki (ICRR/UTokyo)

1127-I1: Current status of LIGO-Virgo-KAGRA gravitational-wave observations

Shi Pi (Institute of Theoretical Physics, Chinese Academy of Sciences)

1127-I2: Non-Gaussianities in the PBH Formation and Induced GWs

28th Nov. 09:00 - 09:45 Chair: Masahide Yamaguchi

Alexander Vikman (CEICO, FZU, Czech Academy of Sciences)

1128-I1: Melting Domain Walls: Gravitational Waves and Dark Matter

28th Nov. 14:00 - 14:45 Chair: Kohei Kamada

Elisa Gouvea Mauricio Ferreira (Kavli IPMU)

1128-I2: Ultra-light dark matter: phenomenology and latest constraints

29th Nov. 09:00 - 09:45 Chair: Koutarou Kyutoku

Stephan Rosswog (University of Hamburg & Stockholm University)

1129-I1: The Lagrangian Numerical Relativity code SPHINCS_BSSN: a new tool for multi-messenger astrophysics

29th Nov. 16:45 - 18:15 Chair: Shinji Tsujikawa & Takahiro Tanaka

Nicolas Yunes (University of Illinois Urbana-Champaign)

1129-I2: Ringing down toward modified gravity

Adam Pound (University of Southampton)

1129-I2: Modelling asymmetric compact binaries: recent advances in gravitational self-force

30th Nov. 09:00 - 09:45 Chair: Tsutomu Kobayashi

Hironao Miyatake (KMI)

1130-I1: HSC Year 3 Weak Lensing Cosmology Results

30th Nov. 14:00 - 14:45 Chair: Tetsuya Shiromizu

Marcus Khuri (Stony Brook University)

1130-I2: Black Lenses in Kaluza-Klein Matter

1st Dec. 09:00 - 09:45 Chair: Akihiro Ishibashi

Pau Figueras (Queen Mary University of London)

1201-I1: Modelling higher derivative theories of gravity

1st Dec. 11:15 - 12:00 Chair: Shinji Mukohyama

Tadashi Takayanagi (YITP, Kyoto U.)

1201-I2: On Holography in de Sitter Space

Poster Presentations

Posters are displayed in Room C & flash talks on 29th Nov. 9:45 - Chair: Keisuke Izumi

- P01: Chulmoon Yoo (Nagoya U.)
Simulation of spinning PBH formation
- P02: *Payel Sarkar (Kyoto University)
TBD
- P03: Keisuke Izumi (Nagoya U.)
Generalization of Riemannian Penrose inequality
- P04: Kiyoshi Shiraishi (Yamaguchi University)
The electric Meissner effect in the field of a charged dilatonic black hole
- P05: *Kouji Nakamura (NAOJ GWSP)
Geometrical interpretation of the proposal of gauge-invariant treatment of $l=0,1$ perturbations on the Schwarzschild spacetime
- P06: Hiroshi Kozaki (National Institute of Technology, Ishikawa College)
Spacetimes foliated by null hypersurfaces with a Sasakian structure
- P07: *Hajime Kobayashi (Yukawa Institute for Theoretical Physics, Kyoto University)
Static solution of EFT of black hole perturbations with timelike scalar profile
- P08: *Takafumi Takehi (Yukawa Institute for Theoretical Physics, Kyoto University)
TBD
- P9: Hirotaka Yoshino (Osaka Metropolitan University)
Distorted static photon surfaces in perturbed Reissner-Nordström spacetimes
- P10: *Kaisei Takahashi (Hirosaki University)
Equivalence between definitions of the gravitational deflection angle of light
- P11: Hideo Iguchi (Nihon University)
Gravitational Entropy and Regular Black Holes
- P12: Hisaaki Shinkai (Osaka Institute of Technology)
Test of General Relativity from Gravitational Wave data: Direct extraction of ring-down modes of binary black-hole mergers using auto-regressive method
- P13: *Tatsuya Sasaki (Hirosaki University)
PTA and GW point sources
- P14: Takahiro Tanaka (Kyoto University)
Radiation reaction due to the second-order self-force
- P15: Masato Nozawa (Osaka Institute of Technology)
Robinson-Trautman solutions in Einstein-scalar system and Ricci flow

- P16: Takashi Torii (Osaka Institute of Technology)
Wormhole C-metric
- P17: *Sae Tonooka (Fukushima university)
Generation of primordial black holes in Higgs- R^2 inflation
- P18: *Yuuki Kitami (Fukushima University)
Development of cosmological dynamics in Higgs- R^2 inflation
- P19: *Kiyoto Maeyama (Ibaraki univ.)
Construction of Type II Supergravity via Duality Invariants
- P20: *Kaho Yoshimura (Kobe University)
Extremality of de-Sitter Black Holes in Nonlinear Electrodynamics
- P21: *Yuki Hashimoto (Fukushima University)
Bouncing cosmology under the null energy condition
- P22: Takashi Mishima (Nihon University)
Conversion phenomena of gravitational and electromagnetic waves propagating through the Melvin magnetic universe
- P23: Ryo Saito (Yamaguchi University)
Ostrogradsky mode in scalar–tensor theories with higher-order derivative couplings to matter
- P24: *Kota Numajiri (Nagoya University)
Quantum noise from the gravitational field with additional DOF
- P25: *Norihito Tanahashi (Chuo University)
Stability analysis of Myers-Perry black holes with partially equal angular momenta using separation of variables
- P26: *Mai Yashiki (Nippon Bunri University)
The verification of the simultaneous resolution of H_0 tension and S_8 tension
- P27: *Masanori Tomonaga (Nagoya University)
Intensity correlation harvesting in moving mirror model
- P28: Shin'ichi Hirano (National institute of technology at Oyama college)
BHs in effective field theory extension of GR with scalar
- P29: *Yue Nan (Kavli IPMU)
Imprints of dark energy inhomogeneities on CMB
- P30: *Yuta Hiranuma (Niigata University)
Data Analysis of Gravitational Wave Signals from a Failed Core Collapse Supernova Using the Hilbert-Huang Transform
- P31: *Kuan-Nan Lin (National Taiwan University)
Euclidean wormhole and cosmological power spectrum
- P32: Shinya Tomizawa (Toyota Technological Institute)
Causality of photon propagation in non-linear Electrodynamics
- P33: *Kazuto Takahashi (Electrical and Electronic Engineering, Tokyo Institute of technology)
Iterative extraction of overtones from black hole ringdown

Parallel Session 27th Nov. -Room A-

15:45 - 16:45 Chair: Shuichiro Yokoyama

1127-A1-1: *Xinpeng Wang (Tongji University/ IPMU)

Primordial Black Holes from R^2 gravity theory with a nonminimally coupled scalar field

1127-A1-2: *Ippei Obata (Kavli IPMU)

Axion-gauge dynamics during inflation as the origin of pulsar timing array signals

1127-A1-3: *Katsuya Abe (Chiba University)

Translating nano-Hertz gravitational wave background into primordial perturbations taking account of the cosmological QCD phase transition

1127-A1-4: *Yuichiro TADA (Nagoya University)

Cancellation of quantum corrections on the soft curvature perturbations

17:00 - 18:15 Chair: Ippei Obata

1127-A2-1: *Jason Kristiano (RESCEU, The University of Tokyo)

Superhorizon evolution of the squeezed bispectrum

1127-A2-2: *Fumiya Sano (IBS CTPU-CGA)

Analytic Formulae for Inflationary Correlators with Dynamical Mass

1127-A2-3: *Tomoaki Murata (Rikkyo University)

Parity-violating scalar trispectrum from a rolling axion during inflation

1127-A2-4: *Atsuhisa Ota (Chongqing University)

One-loop thermal radiation exchange in gravitational wave power spectrum

Parallel Session 27th Nov. -Room B-

15:45 - 16:45 Chair: Naritaka Oshita

1127-B1-1: *Daisuke Yoshida (Nagoya University)

Entropy Bound and Geometrically Nonsingular Universe

1127-B1-2: *Takamasa Kanai (Nagoya university)

Quantum focusing conjecture with higher curvature corrections

1127-B1-3: *Masaya Amo (Yukawa Institute for Theoretical Physics, Kyoto University)

Entropy Bounds for Rotating AdS Black Holes

1127-B1-4: *Yuki Yokokura (RIKEN, iTHEMS)

A Semi-classical Spacetime Region with Maximum Entropy

17:00 - 17:45 Chair: Daisuke Yoshida

1127-B2-1: *Anshul Mishra (Indian Institute of Technology, Madras)

Stable Non Supersymmetric black holes and Black Strings

1127-B2-2: *Ryo Kitaku (Nagoya University)

Chaos and Turbulence on open strings in AdS3

1127-B2-3: Sung-Won Kim (Ewha Womans University)

Gravitational waves generation by a particle around a wormhole

Parallel Session 28th Nov. -Room A-

10:00 - 11:00 Chair: Hiroki Takeda

1128-A1-1: *Krishnakanta Bhattacharya (Fukushima University)
Boundary terms and Brown-York quasi-local parameters for scalar-tensor theory

1128-A1-2: *Zhibang Yao (Rikkyo University)
Spatially covariant gravity with second order time derivative

1128-A1-3: *Tact Ikeda (Rikkyo Univ.)
Consistency of higher derivative couplings to matter fields in scalar-tensor gravity

1128-A1-4: *Yuichi Miyashita (Tokyo Institute of Technology)
Trace Anomaly in Metric-Affine Gravity

11:15 - 12:30 Chair: Yuichiro Tada

1128-A2-1: Shinsuke Kawai (Sungkyunkwan University)
Standard Model Higgs inflation supplemented by minimal dark matter

1128-A2-2: *Minxi He (Institute for Basic Science)
Geometry in scalar field theories with gravity

1128-A2-3: *Kotaro Mizui (Waseda University)
Weyl Starobinsky inflation

1128-A2-4: *Tatsuki Kodama (Saga University)
Nonminimally assisted inflation: a general analysis

1128-A2-5: Kohei Kamada (Hangzhou Institute for Advanced Study, UCAS)
UV Extension of Higgs Inflation in Einstein-Cartan Gravity

15:00 - 16:00 Chair: Takahiro S. Yamamoto

1128-A3-1: Kaiki Inoue (Kindai University)
Measuring Line-of-sight Distances to Haloes with Astrometric Lensing B-modes

1128-A3-2: *Fumiya Okamoto (Saga university)
Dark age consistency in the 21cm global signal

1128-A3-3: *Shun Arai (Nagoya University)
On high-redshift CMB lensing tomography

1128-A3-4: *Kazuya Furusawa (Nagoya University)
Probing the mass relation between supermassive black holes and dark matter halos at high redshifts by gravitational wave experiments

16:30 - 18:00 Chair: Kazufumi Takahashi

1128-A4-1: Hayato Motohashi (Kogakuin University)
Resonant excitation of quasinormal modes of black holes at avoided crossing

1128-A4-2: *Naritaka Oshita (Hakubi Center, YITP)
Black hole ringdown and greybody factors

1128-A4-3: *Tomohiro Kozuka (Nihon University)
Quasinormal mode spectrum of the AdS black hole with the Robin boundary condition

1128-A4-4: *Che-Yu Chen (iTHEMS RIKEN)
Testing black hole eikonal correspondence

1128-A4-5: *Mostafizur Rahman (Indian Institute of Technology, Gandhinagar)
Pseudospectrum and the Stability of Quasinormal Modes in the Presence of Positive Cosmological Constant

1128-A4-6: *So Tanaka (Tokyo Institute of Technology)
Kramers-Kronig relation in gravitational lensing

Parallel Session 28th Nov. -Room B-

10:00 - 11:00 Chair: Naoya Kitajima

1128-B1-1: *Jia-Xi Feng (Sun Yat-sen University)
Scalar induced gravitational waves in parity-violating gravity theories

1128-B1-2: *Ryoto Inui (Nagoya University)
Constraints on Non-Gaussian primordial curvature perturbation from the LIGO-Virgo-KAGRA third observing run

1128-B1-3: *Hyun Jeong (The University of Tokyo)
Are primordial black holes produced after the R^2 inflation?

1128-B1-4: *Daiki Saito (Nagoya University)
Spins of primordial black holes in a matter-dominated era

11:15 - 12:30 Chair: Atsushi Nishizawa

Cancel 1128-B2-1: *Jin Saito (Rikkyo University)
Post-Newtonian approximations in spatially covariant gravity with two tensorial degrees of freedom

1128-B2-2: *Hiroki Takeda (Kyoto University)
Gravitational-wave constraints on scalar-tensor gravity from a black-hole and neutron star binary

1128-B2-3: *Tomoya Tachinami (Hirosaki University)
Non-relativistic stellar structure in generic linear massive gravity

1128-B2-4: *Daiki Watarai (The University of Tokyo)
Physically consistent gravitational waveform for capturing beyond general relativity effects in the compact object merger phase

1128-B2-5: Sam S. C. Wong (City University of Hong Kong)
Tidal deformation of black holes beyond general relativity

15:00 - 16:00 Chair: Hayato Motohashi

1128-B3-1: *Felix Willenborg (University of Bremen)
Wave optical image formation of exact scalar wave scattering in Kerr-de Sitter spacetime

1128-B3-2: *Rikuto Ohashi (Nagoya University)
Influence of matter accretion on black hole quasinormal mode

1128-B3-3: *Kazufumi Takahashi (Yukawa Institute for Theoretical Physics, Kyoto University)
Quasinormal Modes from EFT of Black Hole Perturbations with Timelike Scalar Profile

1128-B3-4: *Petr Kotlařík (Charles University, Prague)
Beyond isolation: black holes, discs, and quasinormal modes

16:30 - 18:00 Chair: Toshifumi Noumi

1128-B4-1: *Muzi Hong (RESCEU, UTokyo)
Quartic Gradient Flow

1128-B4-2: *Wei-Hsiang Shao (National Taiwan University)
UV/IR Connection and the Fate of Hawking Radiation

1128-B4-3: *Yuki Osawa (Nagoya University)
Noise and entanglement in moving mirror model

Cancel 1128-B4-4: Tomohiro Matsuda (Saitama Institute of Technology(SIT))
Schwinger-Unruh-Hawking radiation on manifolds

1128-B4-5: *USMAN ZAFAR (FUKUSHIMA University, JAPAN)
Thermodynamic properties and Hawking evaporation of black holes

1128-B4-6: Haryanto Mangaratua Siahaan (Parahyangan Catholic University)
Spontaneous pair production near magnetized Reissner-Nordstrom black holes

Parallel Session 29th Nov. -Room A-

14:00 - 15:00 Chair: Tatsuya Narikawa

1129-A1-1: *Purnendu Karmakar (RESCEU, University of Tokyo)
Testing Non-metricity Geometry

1129-A1-2: *Sora Yamashita (Saga University)
Consistency relations of the kurtosis in large scale structure and modified gravity

1129-A1-3: *Naomichi Asakawa (Toho University)
constraining self-interactions of a massive scalar field using scalar gravitational waves from stellar core collapse

1129-A1-4: *Zheng Chen (Sun Yat-sen University)
Polarized gravitational waves in the parity violating scalar-nonmetricity theory

15:30 - 16:30 Chair: Hideki Asada

1129-A2-1: *Toshinori Hayashi (Yukawa Institute for Theoretical Physics, Kyoto University)
A strategy to search for star – binary black hole triples: constraining the binarity of dark companions in Gaia BH1 and GaiaBH2

1129-A2-2: Kei-ichiro Kubota (YITP)
Gravitational waves lensed by a Kerr black hole

1129-A2-3: *Tatsuya Narikawa (ICRR, The University of Tokyo)
Multipole tidal effects in the post-Newtonian gravitational-wave phase of compact binary coalescences

1129-A2-4: *Yuya Nakamura (Hirosaki University)
The three-body problem in the PPN formalism

Parallel Session 29th Nov. -Room B-

14:00 - 15:00 Chair: Atsuhisa Ota

1129-B1-1: *Michiru Niibo (Ochanomizu Univ., IBS-CTPU-CGA)
Formation of defects associated with both spontaneous and explicit symmetry breaking

1129-B1-2: Kenichi Saikawa (Kanazawa University)
Large scale simulations of axion strings

1129-B1-3: *Akira Taniguchi (Kyushu University)
Investigation of axion by the circular polarization of gravitational waves passing through a domain wall

1129-B1-4: *Takuya Takahashi (Kyoto University)
Tidal disruption of self-interacting axion clouds around black holes in binary systems

15:30 - 16:30 Chair: Keiju Murata

1129-B2-1: *Hiroaki Tahara (Rikkyo University)
Exact solutions for rapidly rotating black hole in parity-violating theory

Cancel 1129-B2-2: *Ren Tsuda (Chuo University)
Existence conditions of nonsingular dyonic black holes in nonlinear electrodynamics

1129-B2-3: *Keiya Uemichi (Nagoya University)
5-dimensional Rotating Wormhole

1129-B2-4: *Ryotaku Suzuki (Toyota Technological Institute)
Spherical black holes with nontrivial domain of outer communication in D=5 minimal supergravity

Parallel Session 30th Nov. -Room A-

10:00 - 11:00 Chair: Yousuke Itoh

1130-A1-1: *Kanta Kitajima (Nagoya University)

Special Relativistic Smoothed Particle Hydrodynamics Based on Riemann Solver

1130-A1-2: *Audrey Trova (ZARM, University of Bremen)

Axisymmetric oscillation modes of charged tori around a Kerr black hole immersed in a uniform asymptotic magnetic field

1130-A1-3: *Wei-Xiang Feng (Tsinghua University)

Relativistic Bondi Accretion and the BEC Dark Matter Spike

1130-A1-4: *David Kofron (Charles University)

Towards the rotating disks around the Kerr black hole (in linearized regime)

11:15 - 12:30 Chair: Kenichi Saikawa

1130-A2-1: *Danilo Artigas (Kyoto University)

The separate-universe approach beyond slow-roll inflation

1130-A2-2: *Ryodai Kawaguchi (Waseda University)

Highly asymmetric probability distribution from a finite-width upward step during inflation

1130-A2-3: *Yurino Mizuguchi (Nagoya University)

Stochastic lattice simulation

1130-A2-4: *Taiga Miyachi (Kobe University)

Stochastic tunneling in de Sitter spacetime

1130-A2-5: *Koki Tokeshi (RESCEU, U. Tokyo)

Stochastic selection effect in the early Universe

15:00 - 16:00 Chair: Ryo Namba

1130-A3-1: *Kimihiro Nomura (Kobe University)

Hellings-Downs curve deformed by ultralight dark matter

1130-A3-2: *Yusuke Manita (Kyoto University)

Exploring spin of ultralight dark matter with gravitational wave detectors

1130-A3-3: *Tomohiro Fujita (Waseda IAS)

Towards the optimal experiment of gravity-induced quantum entanglement

1130-A3-4: *Naoya Kitajima (Tohoku University)

Gravitational waves from early dark energy

16:30 - 18:00 Chair: Tomohiro Fujita

1130-A4-1: *Kohei Fujikura (University of Tokyo)

Cosmological Phase Transitions in Composite Higgs Models

1130-A4-2: *Kentaro Kasai (ICRR, The University of Tokyo)

Large lepton asymmetry from Affleck-Dine mechanism as a source of sterile neutrino dark matter production and its observational implications

1130-A4-3: *Ryo Namba (RIKEN iTHEMS)

CMB Parity violation vs Standard Model particles - The need of new light fields

1130-A4-4: *Ann Mukuno (Kobe University)

The power spectrum of primordial gravitational waves induced by primordial magnetic fields

1130-A4-5: *Ariadna Uxue Palomino Ylla (Nagoya University)

Particle motion on a non vacuum solution: study on accreting matter onto a spherically symmetric black hole

1130-A4-6: *Akihito Katsumata (Rikkyo University)

Exact series representation for the periapsis shift in the Kerr spacetime

Parallel Session 30th Nov. -Room B-

10:00 - 11:00 Chair: Yasutaka Koga

1130-B1-1: *Youka Kaku (Nagoya university)

Gravitational lensing on superposed curved spacetime

1130-B1-2: *Torben Christian Frost (Kavli Institute for Astronomy and Astrophysics, Peking University)

Gravitational Lensing in the Charged NUT Spacetime: A Multimessenger Approach

1130-B1-3: *Keita Takizawa (Hirosaki University)

Correct deflection angle of light in MK solution

1130-B1-4: Hiromi Saida (Daido University)

On a PPN test of BH metric with the massive BH at our galactic center

11:15 - 12:15 Chair: Tomohiro Harada

1130-B2-1: *Zi-Yu Tang (Institute for Basic Science)

Photon region and shadow of a rotating 5D black string

1130-B2-2: *Yasutaka Koga (Nagoya University)

Shadow formation in gravitational collapse and redshift of lights

1130-B2-3: *Ryuya Kudo (Hirosaki University)

Photon region in stationary cylindrically symmetric spacetimes

1130-B2-4: *Karim Mosani (University of Tuebingen)

Geometry of trapped photon region in Newman-Janis algorithm constructed spacetimes

15:00 - 16:00 Chair: Teruaki Suyama

1130-B3-1: *Jianing Wang (Institute of Theoretical Physics, Chinese Academy of Sciences)

Primordial Black Hole Formation from Power Spectrum with Finite-width

1130-B3-2: *Koichiro Uehara (Nagoya university)

Type II primordial black hole formation: a relation between black hole mass and type II primordial fluctuation

1130-B3-3: *Shunsuke Neda (University of Tokyo)

Tests and Modification of the Primordial Black Hole Formation from QCD Axion Bubbles

1130-B3-4: *Albert Escrivà (Nagoya University)

Primordial Black Hole formation from overlapping cosmological fluctuations

16:30 - 18:00 Chair: Kazuharu Bamba

1130-B4-1: *Kazumasa Okabayashi (Yukawa Institute for Theoretical Physics, Kyoto University)

Gravastar with thermal radiation

1130-B4-2: *Tatsuya Ogawa (Rikkyo University)

Solitonic gravastars in a U(1) gauge-Higgs model

1130-B4-3: *Katsuki Aoki (YITP, Kyoto University)

Towards bootstrapping quantum gravity: unitarity of heavy particles

1130-B4-4: *Puttarak Jai-akson (RIKEN iTHEMS)

Carrollian hydrodynamics on the stretched horizons

1130-B4-5: *Hideo Furugori (Kyoto University)

Exploring Memory Effects through Dressed States in Quantum Field Theory

1130-B4-6: *Hiroki Matsui (Yukawa Institute for Theoretical Physics, Kyoto University)

No Smooth Spacetime in Lorentzian Quantum Cosmology and Trans-Planckian Physics

Parallel Session 1st Dec. -Room A-

10:00 - 11:00 Chair: Hirotaka Yoshino

1201-A-1: Keiju Murata (Nihon University)

Shooting null geodesics into holographic spacetimes

1201-A-2: Kazuharu Bamba (Fukushima University)

Application of holographic dark energy to inflationary cosmology and the trans-Planckian censorship conjecture

1201-A-3: Fabio Scardigli (Politecnico di Milano)

Planck Stars from a Scale-dependent Gravity theory

1201-B-4: José M Senovilla (University of the Basque Country UPV/EHU)

Characterization of gravitational radiation at infinity with a positive cosmological constant.

Parallel Session 1st Dec. -Room B-

10:00 - 10:45 Chair: Ryo Saito

1201-B-1: Tomohiro Harada (Rikkyo University)

Revisiting compaction functions for PBH formation

1201-B-2: Teruaki Suyama (Tokyo Institute of Technology)

New Consistency Relations between Averages and Variances of Weakly Lensed Signals of Gravitational Waves

1201-B-3: Ying-li Zhang (Tongji University)

Merger rate of primordial black holes inside dark halos

Voting Forms

Poster

<https://forms.gle/RvjhUDRjGRCW742LA>

27th Nov. Mon. Afternoon

<https://forms.gle/7To24Qbo1xs1FBUCA>

28th Nov. Tue. Morning

<https://forms.gle/nZezQCDCwATY7H6k6>

28th Nov. Tue. Afternoon

<https://forms.gle/jrjGzqo8o5BDjUhj8>

29th Nov. Wed. Afternoon

<https://forms.gle/FtpDcnPHUhq3nXNcA>

30th Nov. Thu. Morning

<https://forms.gle/VG3LgyWY3vB36JPx7>

30th Nov. Thu. Afternoon

<https://forms.gle/j3iLZM75m5cXXqTKA>