JGRG29 Poster Session (as of November 22)

Centennial Hall, Rokkodai-2nd campus, Kobe University

• Presentation awards: Those who are eligible are marked with an asterisk (*).

Poster Presentations Part I (Monday to Tuesday)

[P01*] **Iuliia Ageeva** *INR RAS*
"All sectors-analysis of strong coupling problem in Horndeski genesis"

[P02*] **Hiroki Asami** *Nagoya University*
"AdS instability and Einstein-Vlasov system"

[P03*] **Kuan Yu Chen** *National Taiwan University*
"Comments on 'Soft-Hair-Enhanced Entanglement Beyond Page Curves in a Black-hole Evaporation Qubit Model' "

[P04*] **Chih-En Chou** *National Taiwan University, LeCosPA*
"Dynamical Casimir Effect and Black Hole Evaporation"

[P05*] **Hideo Furugori** *Nagoya University*
"Non-linear dressed states in Scalar QED as a toy model of perturbative quantum gravity"

[P06*] **Yuki Hagihara** *Hirosaki University*
"Testing the extra GW polarizations with four non-coaligned GW detectors"

[P07] **Tomohiro Harada** *Rikkyo University*
"Particle creation in gravitational collapse to a horizonless compact object"

[P08*] **Keisuke Izumi** *Nagoya University*
"S-matrix Unitarity in quadratic curvature gravity"

[P09*] **Tomotaka Kitamura** *Rikkyo University*
"Enhanced IR symmetry in $T\bar{J}$ deformed CFT"

[P10*] **Takahiro Koike** *Tokyo Gakugei University*
"Black Hole with Gaussian Source in (3+1)-dimensional Einstein-Scalar Gravity"

[P11*] **Masashi Kuniyasu** *Yamaguchi University*
"Accelerating cosmologies in an integrable model with noncommutative minisuperspace variables"

[P12*] **Juyoung Lee** *Sungkyunkwan University*
"Interacting Vortices"

[P13*] **Ken Matsuno** *Osaka City University, Osaka Butsuryo University*
"Particle acceleration by ion-acoustic solitons in plasma in a magnetic field"

[P14*] **Yamato Matsuo** *Hiroshima University*
"Power law model of modified gravity"

[P15] **Umpei Miyamoto** *Akita Prefectural University*
"Stability of black strings and liquid bridges"

[P16*] **Shoichiro Miyashita** *Waseda University*
"Complexity/Action duality in Einstein-Yang-Mills Theory"

[P17] **Shuntaro Mizuno** *Hachinohe College*
"Primordial Tensor Non-Gaussianity from Massive Gravity"

[P18*] **Yoshiyuki Morisawa** *OCAMI, Osaka City University*
"Complexity of spinnetwork"

[P19*] **Kouji Nakamura** *National Astronomical Observatory of Japan*
"Balanced Homodyne Detection For Gravitational-Wave Detectors"

[P20*] **Yuki Nakamura** *Yamaguchi University*
"Microlensing of Global monopole"

[P21*] **Yue Nan** *Hiroshima University*
"Imprints of supercurvature-mode dark energy on cosmological observations"

[P22] — *Canceled* —

[P23*] **Ryo Negishi** *Niigata University*
"Extraction of gravitational waves from SASI with Hilbert-Huang Transform"

[P24] **Atsushi Nishizawa** *The University of Tokyo*
"Observational predictions of the viable generalized scalar-tensor theory"

[P25*] **Kimihiro Nomura** *Kobe University*
"Gravitational signal from ultralight vector dark matter"

[P26*] **Ryo Saito** *Yamaguchi University*
"Curve-of-sight approach for CMB polarizations: intrinsic B mode beyond lensing"

[P27*] **Masahiko Taniguchi** *Hiroshima University*
"Scalar mode propagation in modified Gauss-Bonnet gravity"

[P28] **Kazuhiro Yamamoto** *Kyushu University*
"Fluctuation-dissipation and correlation-propagation relations in (1+3)D moving detector-quantum field systems"

Poster Presentations Part II (Wednesday to Thursday)

[P29] **Masato Nozawa** *YITP, Kyoto University*
"Classification of Killing vectors in the three dimensional Lorentzian spacetime"

[P30] **Kota Ogasawara** *Kyoto University*
"Escape probability of a photon emitted from near the black hole horizon"

[P31*] **Toshiaki Ono** *Hirosaki University*
"Gravitational bending angle of light in spacetimes with deficit angle"

[P32*] **Takayoshi Ootsuka** *Ochanomizu University*
"New symmetric reduction technique in covariant Lagrangian formalism"

[P33*] **Keisuke Ota** *Tokyo Gakugei University*
"Non-singular solution with free scalar field and interpretation of the singularity resolution in infinite derivative gravity"

[P34*] **Norichika Sago** *Kyushu University*
"Gravitational wave echoes from a particle plunging into a black hole"

[P35] **Hiromi Saida** *Daido University*
"Test of GR at Galactic Central Massive BH using Subaru Telescope (at 1PN) and Thirty Meter Telescope (at 1.5PN)"

[P36*] **Hiroki Sakamoto** *Hiroshima University*
"Explicit Formulation of Inflationary Parameters in $F(R)$ Gravity"

[P37] **Hisa-aki Shinkai** *Osaka Institute of Technology*
"Auto-regressive approach to find ring-down gravitational wave"

[P38] **Kiyoshi Shiraishi** *Yamaguchi University*
"Equivalent Hamiltonian approach to quantum cosmology of integrable models"

[P39] **Teruaki Suyama** *Tokyo Institute of Technology*
"Clustering of primordial black holes with non-Gaussian initial fluctuations"

[P40*] **Haruya Suzuki** *Ibaraki University*
"Cubic interaction vertices of bosonic higher spin fields in BRST-BV formalism"

[P41] **Masaaki Takahashi** *Aichi University of Education*
"M87-jet powered by Blandford-Znajek mechanism"

[P42*] **Mei Takeda** *Niigata University*
"Data Analysis of Gravitational Waves from the SASI mode in a core collapse supernova with the Hilbert-Huang Transform"

[P43*] **Keita Takizawa** *Hirosaki University*
"Improved definition of the gravitational deflection angle of light"

[P44*] **Kazuma Tani** *Yamaguchi University*
"Boson stars with unstable circular orbit of photon and its stability"

[P45*] **Jun Tsujimura** *Nagoya University*
"Ryu-Takayanagi surface and null wave front"

[P46*] **Takuma Tsukamoto** *Nagoya University*
"The BZ process as Alfvenic superradiance in Kerr spacetime"

[P47*] **Ikumi Ueda** *Nagoya University*
"Induced gravitational waves as a probe of the sound speed during the QCD phase transition"

[P48*] **Kazushige Ueda** *Hiroshima University*
"Analysis of Dirac field in Rindler and Kasner space time"

[P49*] **Zhenyuan Wu** *Yamaguchi University*
"Wormholes without exotic matter in nonminimal torsion-matter coupling $f(T)$ gravity"

[P50*] **Chulmoon Yoo** *Nagoya University*
"Effects of asphericity on PBH formation"

[P51*] **Hirotaka Yoshino** *Osaka City University*
"Dynamically Transversely Trapping Surfaces"

[P52*] **Ying-li Zhang** *Tokyo Institute of Technology*
"Primordial Tensor Perturbation in Double Inflationary Scenario with a Break"

[P53] **Kazuharu Bamba** *Fukushima University*
"Inflationary cosmology in modified teleparallel gravity with the unimodular condition"

[P54] **Takahisa Igata** *Rikkyo University*
"Polarization distribution on the edge of a black hole shadow"

[P55*] **Yasunari Kurita** *Kanagawa Institute of Technology*
"A quantum gravitational perspective for three-dimensional Hawking-Page transition"

Poster Presentations for 5-Minute Talks (Monday to Thursday)

[S01] **Rampei Kimura** *Waseda University*
"On linearized massive bigravity"

[S02] **Katsuki Aoki** *YITP, Kyoto University*
"Ghostfree quadratic curvature theories with massive spin-2 and spin-0 particles"

[S03] **Kei Yamada** *Kyoto University*
"Testing Parity Violation of Gravity via Gravitational Waves"

[S04] **Tomohiro Fujita** *Kyoto University*
"Hunting Axion Dark Matter with New Techniques"

[S06] **Hayato Motohashi** *YITP, Kyoto University*
"Exact black hole solutions in modified gravity"

[S07*] **Kazufumi Takahashi** *Kobe University*
"Linear stability analysis of hairy black holes in quadratic DHOST theories"

[S08*] **Rio Saitou** *Daido University*
"Inflationary spectral tilts as a result of the dilatation symmetry breaking"

[S09*] **Daisuke Yoshida** *Kobe University*
"Birth of de Sitter Universe from time crystal"

[S10*] **Naoya Kitajima** *Tohoku University*
"Gravitational waves from axionic gauge field production"

[S11*] **Yun-Long Zhang** *YITP, Kyoto University*
"Hyperbolic Field Space and Swampland Conjecture for DBI Scalar"

[S12*] **Kunihito Uzawa** *Kwansei Gakuin University*
"Slow-roll inflation and the swampland"

[S13*] **Takashi Hiramatsu** *ICRR*
"Testing gravity with CMB"

[S15*] **Tatsuya Ogawa** *Osaka City University*
"Charge Screened Boson Stars In a Spontaneously Broken U(1) Gauge Theory"

[S16*] **Ippei Obata** *ICRR, University of Tokyo*
"Generation of Primordial BHs and GWs from Dilaton-Gauge Field Dynamics"

[S17*] **Nami Uchikata** *Niigata University*
"Reanalysis of GW170817 using several waveform models"

[S18] **Norihiro Tanahashi** *Kyushu University*
"Invertible transformation in scalar-tensor theories and wave propagation"