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## JGRG28 Poster Session (as of November 1)

Meeting Room 1 & 2 (Ground Floor), Tachikawa Memorial Hall, Ikebukuro Campus, Rikkyo University, Tokyo

- Outstanding presentation awards: those who are eligible are marked with an asterisk (\*).
- Please remove your poster before November 6, 7:00 p.m. (Session A)/November 8, 7:00 p.m. (Session B).

### ■ Session A (Monday & Tuesday)

- PA1\* Chiaki Nasu *Rikkyo University*  
Stars in K-mouflage gravity
- PA2\* Hiromu Ogawa *Rikkyo University*  
Relativistic stars in a cubic Galileon universe
- PA3\* Yuta Hiranuma *Niigata University*  
Data Analysis of Gravitational Waves from Core Collapse Supernovae with Hilbert-Huang Transform (I)
- PA4\* Kodai Ueda *Kindai University*  
Massive vector field perturbations on extremal static black holes
- PA5\* Taisaku Mori *Nagoya University*  
RGE and gravitational coupling constants
- PA6\* Priti Gupta *Waseda University*  
Gravitational Waves and Chaos
- PA7\* Shu Ueda *Tokyo Gakugei University*  
Discrete Integrable Systems and Its Application to Discretization of Geodesics
- PA8\* Ryunosuke Kotaki *Hirosaki University*  
More accurate equation for the gravitational lens
- PA9\* Yuto Kimura *Hiroshima University*  
Gravitational radiation driven by magnetosphere rearrangement at the time of magnetar giant flare
- PA10\* Shoichiro Miyashita *Waseda University*  
Energy spectrum of spacetime: complex saddle points in Euclidean path integral
- PA11\* Tomohiro Nakamura *Nagoya University*  
Instability of stars in screened modified gravity
- PA12\* Shingo Akama *Rikkyo University*  
Primordial non-Gaussianities from bouncing cosmology in the Horndeski theory
- PA13\* Naeem Ahmad Pundeer *Aligarh Muslim University*  
Semiconformal Curvature tensor the spacetime of General Relativity
- PA14\* — moved to PB12\* —
- PA15\* — Canceled —
- PA16\* — Canceled —
- PA17\* Hirotaka Yoshino *Osaka City University*  
Improved analysis of axion bosonova
- PA18\* Sousuke Noda *Yukawa Institute for Theoretical Physics, Kyoto University*  
Optical Berry phase in the gravitational lensing by Kerr black hole
- PA19\* Yoshiyuki Morisawa *Osaka City University*  
On cohomogeneity-one-string integrability of quasi-maximally symmetric spacetimes
- PA20 Tomohiro Harada *Rikkyo University*  
Uniqueness of static, isotropic low-pressure solutions of the Einstein-Vlasov system
- PA21 Takahiro Tanaka *Kyoto University*  
Testing gravity using gravitational waves
- PA22 Hideki Ishihara *Osaka City University*  
Particle acceleration by ion-acoustic solitons in plasma
- PA23 — Canceled —
- PA24 — Canceled —
- PA25 Yasunari Kurita *Kanagawa Institute of Technology*  
Emergence of AdS3 thermodynamic quantities in extremal CFT

- PA26 **Hajime Sotani** *National Astronomical Observatory of Japan*  
Pulse profiles of highly compact pulsars in general relativity
- PA27 **Naoki Seto** *Kyoto University*  
Eccentricity evolution of stars around shrinking massive black hole binaries
- PA28 **Norichika Sago** *Kyushu University*  
Gravitational radiation from a spinning particle orbiting a Kerr black hole
- PA29\* **Yuko Mori** *Rikkyo University*  
Effects of Goldstone modes in generalized Higgs inflation

## Session B (Wednesday & Thursday)

- PB1\* **Yuki Hagihara** *Hirosaki University*  
GW polarizations with aLIGO, Virgo and KAGRA
- PB2\* **Kazuma Tani** *Yamaguchi University*  
Possibility of forming unstable circular orbit of photon in boson star
- PB3\* **Keisuke Nakashi** *Rikkyo University*  
Negative deflection angle in three-dimensional massive gravity
- PB4\* **Yashmitha Kumaran** *University of Sussex*  
Gravitational waves from plasma turbulence
- PB5\* **Yukinobu Watanabe** *Niigata University*  
Data Analysis of Gravitational Waves from Core Collapse Supernovae with Hilbert-Huang Transform (II)
- PB6\* **Kazutaka Sadohara** *Tokyo Gakugei University*  
Black hole and naked singularity in  $(2+1)$ -dimensional Einstein-Scalar gravity with potential
- PB7\* **Tadashi Sasaki** *Hokkaido University*  
Exact solutions of primordial gravitational waves
- PB8\* **Kanna Takagi** *Tokyo Gakugei University*  
Realization of the Change of Effective Dimension in Gravity via Multifractional Theories
- PB9\* **Satoru Sugimoto** *Fukushima University*  
The Research about Cosmological Magnetic Fields and Primordial Gravitational Waves in Inflationary Cosmology
- PB10\* **Takuya Katagiri** *Rikkyo University*  
The instability of small charged AdS Black Hole
- PB11\* **Keitaro Tomikawa** *Rikkyo University*  
Gauge dependence of gravitational waves induced by curvature perturbations
- PB12\* **Daisuke Yoshida** *Kobe University*  
Separability of Equations of Form field in Schwarzschild spacetime
- PB13\* **Masashi Kuniyasu** *Yamaguchi University*  
Integrable higher-dimensional cosmology with separable variables in an Einstein-dilaton-antisymmetric field theory
- PB14\* **Yamato Matsuo** *Hiroshima University*  
Chameleonic Dark Matter in Logarithmic  $F(R)$  gravity
- PB15\* **Kouji Nakamura** *National Astronomical Observatory of Japan*  
Extension of the input-output relation for a Michelson interferometer to arbitrary coherent-state light sources:  
Gravitational-wave detector and weak-value amplification
- PB16\* **Takahisa Igata** *Rikkyo University*  
Bright edge of a near extremal Kerr black hole shadow
- PB17\* **Tatsuya Narikawa** *Kyoto University*  
Reanalysis of GW170817
- PB18\* **Naoki Tsukamoto** *Tohoku University*  
Linear stability analysis of a rotating thin-shell wormhole
- PB19\* **Takashi Hiramatsu** *Rikkyo University*  
CMB bispectra induced by lensing
- PB20 **Kiyoshi Shiraishi** *Yamaguchi University*  
An ostentatious model of cosmological scalar-tensor theory
- PB21 **Hisaaki Shinkai** *Osaka Institute of Technology*  
INO: Interplanetary Network of Optical Lattice Clocks

- PB22 **Atsushi Miyauchi** *Research Organization for Information Science and Technology*  
Reformulating Yang-Mills Fields as a Non-Abelian Electromagnetism
- PB23 **Koichi Hirano** *Tsuru University*  
Inflation inspired by the string theory with Planck and future CMB data
- PB24 **Akihiro Yatabe** *Waseda University*  
Collisional Electric Penrose Process in Flat Spacetime
- PB25 **Shin'ichirou Yoshida** *University of Tokyo*  
Rotating merger remnant models of white dwarf binaries
- PB26 **Norihiro Tanahashi** *Institute of Mathematics for Industry, Kyushu University*  
Separability of Maxwell equation in rotating black hole spacetime and its geometric aspects
- PB27 **Keisuke Izumi** *Nagoya University*  
S-matrix Unitarity and Renormalizability in Higher Derivative Theories
- PB28 **Jafar Khodagholizadeh** *Farhangian University*  
Aschenbach effect: The Orbital Velocity of Spinning Particles around the Rotating Blackholes
- PB29 **Rajesh Kumar Dubey** *Institute of Advanced Physics, Lovely Professional University*  
Gravitational Waves and Galaxy Collisions
- PB30\* **Takuma Kajihara** *Rikkyo University*  
Newton-V experiment: Test of gravitational inverse square law at a micrometer scale