

RESCEU SYMPOSIUM ON GENERAL RELATIVITY AND GRAVITATION
JGRG22

Parallel Sessions Program

Monday afternoon

Koshiba Hall

Parallel session A

Chair Tsutomu Kobayashi

14:00	Sugimura	Kazuyuki	Kyoto University	Non-gaussian bubbles from tunneling in the inflationary era
14:20	Takamizu	Yuichi	Kyoto University	Non-linear superhorizon perturbation and nonlinear gauge transformation
14:40	Pi	Shi	Peking University	Curvature perturbation spectrum in two-field inflation with a turning trajectory
15:00	Noumi	Toshifumi	Institute of Physics, The University of Tokyo	Effective field theory approach to quasi-single inflation
15:20	Minamitsuji	Masato	Kyoto University	Revisiting perturbations of a scalar field in an anisotropic universe
15:40	Nakayama	Kazunori	The University of Tokyo	Probing dark radiation with inflationary gravitational waves
16:00	Break			
16:30	Mukaida	Kyohei	The University of Tokyo	Dynamics of oscillating scalar field in thermal environment
16:50	Kunimitsu	Taro	RESCEU, The University of	Higgs Condensation in the Inflationary Universe
17:10	Kuroyanagi	Sachiko	RESCEU, The University of Tokyo	Forecast constraints on cosmic strings from future CMB, pulsar timing and gravitational wave direct detection experiments
17:30	Panpanich	Sirachak	Chulalongkorn University	Effects of Chameleon Scalar field on Rotation Curves of the Galaxies
17:50	Nakama	Tomohiro	RESCEU, The University of	Self-consistent initial conditions for primordial black hole
18:10	End			

Monday afternoon

Rm 233, Science Bldg 1, 2F

Parallel session B

Chair Yasusada Nambu

14:00	Nozawa	Masato	KEK	On the vacua of maximal gauged supergravity
14:20	Watanabe	Yuki	RESCEU, The University of Tokyo	Gravity as the origin of spontaneous symmetry breaking in an inflationary universe
14:40	Kobayashi	Shinpei	Gunma National College of Technology	Fuzzy Objects in Noncommutative Geometry and Their Applications
15:00	Zhang	Hongsheng	Shanghai Normal University	Critical exponents of gravity with quantum perturbations
15:20	Yamada	Kei	Hirosaki University	Triangular solution to the general relativistic three-body problem
15:40	Tsukamoto	Naoki	Rikkyo University	Research of the celestial objects by the gravitational lensing
16:00	Break			
16:30	Arraut	Ivan	Osaka University	Dark Matter and Dark Energy as a single manifestation of a fundamental length scale.
16:50	Hikichi	Takayuki	Nagoya University	Wave function in 2+1 dimensional causal dynamical triangulation
17:10	Tanabe	Kentaro	University of Barcelona	Selfgravity effects of Blackfold
17:30	Suzuki	Ryotaku	Kyoto University	Analysis of Gregory-Laflamme mode in large D limit
17:50	Narita	Makoto	Okinawa National College of Technology	Global properties of solutions to the Einstein-matter equation
18:10	End			

Wednesday afternoon

Koshiba Hall

Parallel session A

Chair Ken-ichi Oohara

14:00	Kyutoku	Koutarou	KEK	Electromagnetic counterparts to binary neutron star mergers
14:20	Kiuchi	Kenta	YITP, Kyoto University	General relativistic simulations of magnetized binary neutron star merger
14:40	Sotani	Hajime	National Astronomical Observatory of Japan	Shear Oscillations in Hadron-Quark Mixed Phase
15:00	Yoshida	Shin'ichirou	The University of Tokyo	Non-axisymmetric oscillations of rotating relativistic stars by conformally flat approximation
15:20	Saijo	Motoyuki	Rikkyo University	Nonlinear effect of r-mode instability in uniformly rotating stars
15:40	Harada	Tomohiro	Rikkyo University	Upper limits of particle emission from high-energy collision and reaction near a maximally rotating Kerr black hole
16:00	Break			
16:30	Ishihara	Hideki	Osaka City University	Stable Null Bound Orbits around a Black Ring
16:50	Yoshino	Hiroataka	KEK	Axion bosonova
17:10	Seto	Osamu	Hokkai-Gakuen University	Curvaton induced modulated reheating
17:30	Bamba	Kazuharu	KMI, Nagoya University	Finite-time future singularities and Rip cosmology in $f(T)$ gravity
17:50	Isoyama	Soichiro	YITP, Kyoto University	Adiabatic evolution of resonant orbits in Kerr space time
18:10	End			

Wednesday afternoon

Rm 233, Science Bldg 1, 2F

Parallel session B

Chair Atsushi Taruya

14:00	Namikawa	Toshiya	The University of Tokyo	An Improved Method for CMB Lensing Reconstruction and Its Cosmological Applications
14:20	Motohashi	Hayato	RESCEU, The University of Tokyo	Cosmological constraints on sterile neutrino mass in $f(R)$ gravity
14:40	Narikawa	Tatsuya	RESCEU, The University of Tokyo	Testing gravity with galaxy cluster
15:00	Kimura	Rampey	Hiroshima University	Constraints on general second-order scalar-tensor models from gravitational Cherenkov radiation
15:20	Yamauchi	Daisuke	ICRR, The University of Tokyo	Weak lensing generated by vector perturbations and detectability of cosmic strings
15:40	Gorbunov	Dmitry	Institute for Nuclear Research	Higgs-inflation and the latest LHC results
16:00	Break			
16:30	Zhang	Yingli	YITP, Kyoto University	Tunneling fields in non-linear Massive Gravity
16:50	Nishizawa	Atsushi	YITP, Kyoto University	Probing for massive gravitational-wave background with a ground-based detector network
17:10	Yoshida	Daisuke	Tokyo Institute of Technology	New Cosmological Solutions in Massive Gravity
17:30	Sakakihara	Yuki	Kyoto University	inflation in bimetric gravity
17:50	Shiraishi	Maresuke	Nagoya University	Parity violation in the CMB bispectrum
18:10	End			