
Program

July 27

Chair: Oguri

14:00-14:10 **Yasushi Suto** *Opening remark*

14:10-15:10 **(L) Haibo Yu** *Self interacting dark matter and structure formation: I*

Break (10 min)

15:20-16:20 **(L) Re'em Sari** *Planet formation and stellar dynamics: I*

Break (10 min)

16:30-16:50 **Masa Aizawa** *Search for exoplanetary rings via transit method*

16:50-17:10 **Soichiro Hashiba** *A non-perturbative method for calculating gravitational particle creation*

17:10-17:30 **Kana Moriwaki** *The distribution and physical properties of high-redshift [OIII] emitters in a cosmological hydrodynamics simulation*

18:00- Dinner

July 28

Chair: Kanagawa

9:00-10:00 **(L) Kohta Murase** *High-energy particle astrophysics: I*

Break (10 min)

10:10-11:10 **(L) Haibo Yu** *Self interacting dark matter and structure formation: II*

Break (10 min)

11:20-11:40 **Kazuhumi Takahashi** *Extended Cuscuton: Formulation and Cosmology*

11:40-12:00 **Leo Tsukada** *The search for stochastic gravitational background from superradiance instability*

12:00-12:20 **Conor Omand** *Dust Formation and Emission in Pulsar-Powered Supernova Remnants*

Lunch

Chair: Shigeyama

13:30-14:30 (L) **Re'em Sari** *Planet formation and stellar dynamics: II*

Break (10 min)

14:40-15:00 **Haoxiang Lin** *Nonthermal afterglow of GW170817: a more natural electron energy distribution leads to a new solution with radio flux in the low frequency synchrotron tail*

15:00-15:20 **Toyokazu Sekiguchi** *Long-term dynamics of axion string*

15:20-15:40 **Ooi Ching Pin** *Mechanical loss of Crystal Fibres for Torsion Pendulum Experiments*

Break (10 min)

15:50-16:50 (L) **Kohta Murase** *High-energy particle astrophysics: II*

Break (10 min)

17:00-17:20 **Minxi He** *Inflation in the Mixed Higgs- R^2 Model*

17:20-17:40 **Shotaro Yamasaki** *Relativistic Fireball Reprise: Radio Suppression at the Onset of Short Magnetar Bursts*

17:40-18:00 **Kazuhiro Kanagawa** *Radial migration of gap-opening planets in protoplanetary disks*

18:30- Dinner

July 29

Chair: Kashiwama

9:00-10:00 (L) **Haibo Yu** *Self interacting dark matter and structure formation: III*

Break (10 min)

10:10-11:10 (L) **Re'em Sari** *Planet formation and stellar dynamics: III*

Break (10 min)

11:20-11:40 **Yuuki Takei** *Inner Structure of Shocked Region in Type II_n Supernovae*

11:40-12:00 **Yi-Peng Wu** *Search for heavy physics in the cosmological collider*

12:00-12:20 **Soichiro Morisaki** *Search for ultralight scalar field dark matter with gravitational-wave detectors*

Afternoon Free discussion

July 30

Chair: Cannon

9:30-10:30 (L) **Kohta Murase** *High-energy particle astrophysics: III*

Break (10 min)

10:40-11:00 **Riouhei Nakatani** *Radiation Hydrodynamics Simulations of Photoevaporation of Protoplanetary Disks: Metallicity Dependence of UV and X-ray Photoevaporation*

11:00-11:20 **Hiroaki Tahara** *Self-anisotropizing universe in Horndeski theory*

11:20-11:40 **Daichi Tsuna** *Detectability of Mass Ejection from Failed Supernovae*

11:40- **Jun'ichi Yokoyama** *Closing remark*

Posters

- **Takahiro Nishimichi** Dark Quest I.: A New Simulation Suite for Halo Clustering at 100 w CDM Models
- **Tomoya Kinugawa** Remnants of first stars for the gravitational wave source
- **Ayako Ishii** Free Neutron Ejection and Related Early Emission in Binary Neutron Star Merger
- **Syoya Kamiaka** Reliability assessment of stellar inclination determination and possible misaligned system revealed by asteroseismology
- **Kojiro Kawana** Tidal Disruption Events of a White Dwarf by a Black Hole
- **Akinari Hamabata** Constraining cluster masses from the stacked phase space distribution at large radii
- **Yuta Nakagawa** Obliquity of an Earth-like planet from frequency modulation of its direct imaged lightcurve: analysis of the general circulation model simulation data for the Earth
- **Tomohisa Ueno** Various Numerical Schemes for the Burgers Equation
- **Saku Iwata** The Origin of SNe Ia in Young Galaxies