

Program Last update: May 14, 2019 at 19:45 (JST)

40 min talk = 30 min talk + 10 min questions

30 min talk = 25 min talk + 5 min questions

20 min talk = 17 min talk + 3 min questions

1st week (July 18-19th)

Place: Okochi Hall, RIKEN, Wako, Saitama, Japan

July 18 (Thu.)

9:00 - 9:30 -- Registration --
9:30 - 9:50 Shigehiro Nagataki "Opening Address"
9:50 - 10:30 Roger Blandford (Stanford University) "M87 and the black
hole EHT image"
10:30 - 11:00 Kenji Toma (Tohoku University) "M87 black hole shadow
image and its connection with the radio jet"
11:00 - 11:30 -- Coffee Break --
11:30 - 12:00 Akira Mizuta (RIKEN) "GRMHD simulation"
12:00 - 12:30 Jin Matsumoto (University of Tokyo) "Acceleration of
Relativistic Jets with Toroidal Magnetic Field Reversals by Magnetic Dissipation"
12:30 - 14:00 -- Lunch --
14:00 - 14:30 Omer Bromberg (Tel Aviv University) "On the dissipation of
EM energy in relativistic jets"
14:30 - 15:00 Asaf Pe'er (Bar Ilan University) "Relativistic jets formation
and collimation: status on theory and numerical simulations"
15:00 - 15:30 Christopher Irwin (Tel Aviv University) "Jet-driven bubbles in
Fanaroff-Riley type I sources"
15:30 - 16:00 -- Coffee Break --
16:00 - 16:30 Chi-Ho Chan (Hebrew University of Jerusalem) "Tidal
disruption events in active galactic nuclei"
16:30 - 16:50 Kojiro Kawana (University of Tokyo) "Emission from
thermonuclear explosions in white dwarf TDEs"
16:50 - 17:20 Yoshiyuki Inoue (RIKEN) "Tidal disruption events in active
galactic nuclei"

July 19 (Fri.)

9:30 - 10:00 Noemie Globus (New York University) "High energy cosmic ray"
10:00 - 10:30 Katsuaki Asano (University of Tokyo) "Stochastic turbulence acceleration of particles in high-energy objects"
10:30 - 11:00 Susumu Inoue (RIKEN) "High energy astrophysics"
11:00 - 11:30 -- Coffee Break --
11:30 - 11:50 Toshikazu Ebisuzaki (RIKEN) "Astrophysical Wake Acceleration Driven by Relativistic Alfvénic Pulse Emitted from Bursting Accretion Disk"
11:50 - 12:20 Haoning He (RIKEN) "HE neutrino from Blazars"
12:20 - 14:00 -- Lunch --
14:00 - 14:30 Ryo Yamazaki (Aoyama Gakuin University) "Toward the generation of magnetized collisionless shocks with high-energy lasers"
14:30 - 15:00 Tatsuya Matsumoto (The Hebrew University) "Generalized compactness limit from an arbitrary viewing angle and its application to GRB 170817A"
15:00 - 15:30 Ore Gottlieb (Tel Aviv University) "Lessons from GW170817"
15:30 - 16:00 -- Coffee Break --
16:00 - 16:30 Oliver Just (RIKEN) "Remnant disks of neutron-star mergers"
16:30 - 17:00 Kyohei Kawaguchi (University of Tokyo) "On possible diversity of kilonova lightcurves "
17:00 - 17:20 Haoxiang Lin (University of Tokyo) "The efficiency of electron acceleration in GW170817 afterglow"

2nd week (July 22-23th)

Place: Integrated Innovative Building (IIB), RIKEN, Kobe, Hyogo, Japan

July 22 (Mon.)

9:00 - 9:30 Yutaka Fujita (Osaka University) "High Energy Phenomena in Galaxy Clusters"
9:30 - 10:00 Uri Keshet "Virial shocks around galaxy clusters"

10:00 - 10:30 Nir Shaviv (The Hebrew University) "Cosmic Ray Diffusion in the Dynamic Galaxy – From Dark matter to Dinosaurs"

10:30 - 11:00 -- Coffee Break –

11:00 - 11:30 Nagisa Hiroshima(Riken) "Modeling dark matter substructure and annihilation boost"

11:30 - 12:00 Norita Kawanaka (Kyoto University) "Instability in Neutrino Dominated Accretion Flows and Application to Gamma-ray Bursts"

12:00 - 12:30 Tsvi Piran (The Hebrew University) "GRB's Rosseta Stone – the sub-TeV emission"

12:30 - 14:00 -- Lunch --

14:00 - 14:30 Hirotaka Ito (RIKEN) "Numerical simulation of photospheric emission in GRBs"

14:30 - 15:00 Hamidani Hamid (Yukawa Institute of Theoretical Physics) "Jet propagation and cocoon emission in neutron star mergers and GW170817"

15:00 - 15:30 -- Coffee Break --

15:30 - 16:00 Yongjia Huang (RIKEN) "Binary neutron star merger simulation and Gravitational wave signal"

16:00 - 16:30 Kentaro Takami (Kobe City College of Technology) "Numerical Relativity"

16:30 - 17:00 Koutaro Kyutoku(Kyoto University) " Measuring tidal deformability of neutron stars with numerical relativity "

17:30 - 21:00 Discussion with Dinner

July 23 (Tue.)

9:30 - 10:00 Jonathan Granot (The Open University of Israel) " Gamma-Ray Burst Polarization "

10:00 - 10:30 Ramandeep Gill (The Open University of Israel) "Polarization and afterglow of structured jet"

10:30 - 11:00 -- Coffee Break --

11:00 - 11:30 Kazuya Takahashi (The Open University of Israel) "Inverse reconstruction of jet structure from off-axis gamma-ray burst afterglows "

11:30 - 12:00 Donald Warren (RIKEN) " A semi-analytical GRB afterglow with thermal electrons "

12:00 - 12:30 Kazumi Kashiyama (University of Tokyo) "Optically thick rotating magnetic wind from a massive white-dwarf merger product"

12:30 - 14:00 -- Lunch --

14:00 - 14:30 Amir Levinson (Tel Aviv University) "High energy phenomena in relativistic flows"

14:30 - 15:00 Shota Kisaka (Tohoku University) "Pair multiplicity in the black hole magnetosphere "

15:00 - 15:30 Akihiro Suzuki (NAOJ) "Hypernovae"

15:30 - 16:00 -- Coffee Break --

16:00 - 16:20 Conor Omand (University of Tokyo) "Radio and Submillimetre Constraints on the Pulsar-Driven Supernova Model"

16:20 - 16:40 Nobuya Nishimura (NAOJ) "R-process Nucleosynthesis in the jet-like explosion of core-collapse supernova"

16:40 - 17:10 Noemie Globus (New York University) "General summary and concluding remarks"