

Program of Nishinomiya-Yukawa symposium (ver. 240213)

[2/12(Mon)]

9:00- 9:55 Registration & 9:30- 9:55 Coffee

9:55- 10:00 Shinji Mukohyama (YITP) “Opening address”

Chair: Cardoso

10:00-11:00 (50min+10min) Joseph Giaime (LSU/Caltech/LIGO) “Results and status of joint LIGO/Virgo/KAGRA observational runs and of the LIGO detectors”

11:00-12:00 (50min+10min) Takaaki Kajita (Tokyo/KAGRA) “KAGRA -status and prospect-”

12:00-14:00 Lunch

Chair: Taruya

14:00-15:00 (50min+10min) Masashi Hazumi (KEK/IPMU/LiteBIRD) “Probing cosmic inflation and beyond with the LiteBIRD CMB polarization survey”

15:00-16:00 Short poster presentation (3min each)

16:00-16:30 Break

Chair: Tanaka

16:30-17:30 (50min+10min) Cumrun Vafa (Harvard) “Swamplandish Predictions for Cosmology”

[2/13(Tue)]

9:30-10:00 Coffee

Chair: Ioka

10:00-11:00 (50min+10min) Luc Blanchet (IAP) "Gravitational Wave Tails-of-Memory and the Phase of Compact Binaries to 4.5PN order"

11:00-12:00 (50min+10min) Masaru Shibata (AEI/YITP) "Exploring the collapsar scenario in numerical relativity"

12:00-14:00 Lunch

Chair: Uzan

14:00-15:00 (50min+10min) Emanuele Berti (Johns Hopkins) "Nonlinear black hole spectroscopy"

15:00-16:00 Poster session

16:00-16:30 Break

Chair: Di Valentino

16:30-17:30 (50min+10min) Mairi Sakellariadou (King's College London) "Gravitational Waves: the Theorist's Swiss knife"

[2/14(Wed)]

9:30-10:00 Coffee

Chair: Sakellariadou

10:00-11:00 (50min+10min) Misao Sasaki (IPMU) “Primordial Black Holes from Inflation”

11:00-12:00 (50min+10min) Eugene Lim (King's College London) “Can Inflation Actually Inflate?”

12:00-14:00 Lunch

Chair: Nishimichi

14:00-15:00 (50min+10min) Eleonora Di Valentino (Sheffield) “Unresolved Anomalies and Tensions in the Standard Cosmological Model”

15:00-16:00 Short poster presentation (3min each)

16:00-16:30 Break

Chair: Gregory

16:30-17:30 (50min+10min) Lisa Randall (Harvard) “Cool but not Supercool. Phase Transition to RS”

19:00-21:00 Banquet

[2/15(Thu)]

9:30-10:00 Coffee

Chair: De Felice

10:00-11:00 (50min+10min) Jiro Murata (Rikkyo) “Experimental Tests of Gravitational Inverse Square Law and Lorentz Invariance”

11:00-12:00 (50min+10min) Ruth Durrer (Geneva) “Rotation of the CMB polarization by foreground lensing”

12:00-14:00 Lunch

Chair: Cai

14:00-15:00 (50min+10min) Ruth Gregory (King's College London) “Towards a Quantum Black Hole Simulator”

15:00-16:00 Poster session

16:00-16:30 Break

Chair: Lim

16:30-17:30 (50min+10min) Rong-Gen Cai (ITP CAS) “The interior dynamics of hairy black holes”

[2/16(Fri)]

9:30-10:00 Coffee

Chair: Berti

10:00-11:00 (50min+10min) Tsvi Piran (Hebrew) "Gravitational Waves from Relativistic Jets"

11:00-12:00 (50min+10min) Jean-Philippe Uzan (IAP) "Constraining a scalar fifth force in the Solar system and the cosmos"

12:00-14:00 Lunch

Chair: Mukohyama

14:00-15:00 (50min+10min) Levon Pogosian (SFU) "Cosmological tests of Einstein and Euler"

15:00-16:00 (50min+10min) Vitor Cardoso (CENTRA/Niels Bohr) "Black holes as engines of discovery"

16:00-16:05 Shinji Mukohyama (YITP) "Closing"