

Non-linear aspects of cosmological gravitational waves

Report of Contributions

Contribution ID: 1

Type: **not specified**

Tracking the origin of black holes with the stochastic gravitational wave background popcorn signal

Tuesday, 19 July 2022 10:00 (1h 30m)

Presenter: KUROYANAGI, Sachiko (Madrid/Nagoya)

Session Classification: Morning session

Contribution ID: 2

Type: **not specified**

delta N formalism for gravitational waves

Tuesday, 19 July 2022 13:30 (1h 30m)

Presenter: URAKAWA, Yuko (KEK)

Session Classification: Afternoon session 1

Contribution ID: 3

Type: **not specified**

Deformation of the gravitational wave spectrum by density perturbations

Tuesday, 19 July 2022 15:30 (1h 30m)

Presenter: JINNO, Ryusuke (Madrid)

Session Classification: Afternoon session 2

Contribution ID: 4

Type: **not specified**

Cosmological anisotropies of the stochastic gravitational wave background

Tuesday, 19 July 2022 17:00 (1h 30m)

Presenter: TASINATO, Gianmassimo (Swansea)

Session Classification: Afternoon session 3

Contribution ID: 5

Type: **not specified**

Effective field theory of teleparallel gravity

Wednesday, 20 July 2022 10:45 (45 minutes)

Presenter: MYLOVA, Maria (Ewha)

Session Classification: Morning session

Contribution ID: 6

Type: **not specified**

Graviton nongaussianity in α -vacuum

Wednesday, 20 July 2022 13:30 (1h 30m)

Presenter: KANNO, Sugumi (Kyushu)

Session Classification: Afternoon session 1

Contribution ID: 7

Type: **not specified**

Gravitational lensing of gravitational waves as a probe of small-scale matter fluctuations

Wednesday, 20 July 2022 15:30 (1h 30m)

Presenter: SUYAMA, Teruaki (Tokyo Tech)

Session Classification: Afternoon session 2

Contribution ID: 8

Type: **not specified**

PBHs in the Era of Gravitational Wave Astronomy

Wednesday, 20 July 2022 17:00 (1h 30m)

Presenter: RIOTTO, Antonio (Geneva)

Session Classification: Afternoon session 3

Contribution ID: 9

Type: **not specified**

Gravitational-wave Standard Sirens with Electromagnetic Counterparts

Thursday, 21 July 2022 10:00 (1h 30m)

Presenter: CHEN, Hsin-Yu (MIT)

Session Classification: Morning session

Contribution ID: 10

Type: **not specified**

Gravitational Waves Induced by Curvature Perturbations and Effects of Matter/Radiation Transition

Thursday, 21 July 2022 13:30 (1h 30m)

Presenter: TERADA, Takahiro (IBS)

Session Classification: Afternoon session 1

Contribution ID: 11

Type: **not specified**

Modified gravity with two tensorial degrees of freedom: Black holes and cosmology

Thursday, 21 July 2022 15:30 (1h 30m)

Presenter: KOBAYASHI, Tsutomu (Rikkyo)

Session Classification: Afternoon session 2

Contribution ID: 12

Type: **not specified**

Gravitational waves from primordial fluctuations

Thursday, 21 July 2022 17:00 (1h 30m)

Presenter: DOMENECH, Guillem (Padova)

Session Classification: Afternoon session 3

Contribution ID: 13

Type: **not specified**

Gauge-Invariant Tensor Perturbations Induced from Scalar Perturbations

Friday, 22 July 2022 10:00 (1h 30m)

Presenter: JEONG, Donghui (PSU/KIAS)

Session Classification: Morning session

Contribution ID: 14

Type: **not specified**

1) Anisotropies of GWs from merging PBHs, and 2) PBHs and GWs from Tachyonic Instability in Higgs-R2 Inflation

Friday, 22 July 2022 13:30 (1h 30m)

Presenter: KOHRI, Kazunori (KEK)

Session Classification: Afternoon session 1

Contribution ID: 15

Type: **not specified**

New Observables of Inflaton Fragmentation

Wednesday, 20 July 2022 10:00 (45 minutes)

Presenter: TAKHISTOV, Volodymyr

Session Classification: Morning session