

**Simons Program: Current
Themes in High Energy
Physics and Cosmology –
Physics and Astrophysics in
the Era of Gravitational Wave
Detection**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Testing GR with GWs

Monday, 19 August 2019 10:00 (1 hour)

Presenter: CARDOSO, Vitor

Contribution ID: 2

Type: **not specified**

Precision Gravity: LHC to LISA

Monday, 19 August 2019 11:30 (1 hour)

Presenter: PORTO, Rafael

Contribution ID: 3

Type: **not specified**

What have we learned about binary neutron stars since the discovery of GW170817?

Monday, 19 August 2019 14:00 (1 hour)

Presenter: BROWN, Duncan

Contribution ID: 4

Type: **not specified**

Properties of Binary Neutron Stars as Gravitational Wave Sources

Monday, 19 August 2019 15:00 (1 hour)

Presenter: TAURIS, Thomas

Contribution ID: 5

Type: **not specified**

(Re)Connecting General Relativity with Cosmology

Tuesday, 20 August 2019 10:00 (1 hour)

Presenter: IJJAS, Anna

Contribution ID: 6

Type: **not specified**

Session 6

Tuesday, 20 August 2019 11:30 (1 hour)

Presenter: STEINHARDT, Paul

Contribution ID: 7

Type: **not specified**

Simulations of Accreting Binary Supermassive Black Holes Approaching Merger

Tuesday, 20 August 2019 14:00 (1 hour)

Presenter: CAMPANELLI, Manuela

Contribution ID: 8

Type: **not specified**

Gravitational waves & exploring possible deviations in strong field/dynamical scenarios

Tuesday, 20 August 2019 15:00 (1 hour)

Presenter: LEHNER, Luis

Contribution ID: 9

Type: **not specified**

Effective Theory of Black Hole Horizons

Wednesday, 21 August 2019 10:00 (1 hour)

Presenter: ROTHSTEIN, Ira

Contribution ID: **10**

Type: **not specified**

Classical and Quantum Gravitational Scattering and the General Relativistic Two-Body Problem

Wednesday, 21 August 2019 11:30 (1 hour)

Presenter: DAMOUR, Thibault

Contribution ID: 11

Type: **not specified**

Searching for Continuous Gravitational Waves

Wednesday, 21 August 2019 14:00 (1 hour)

Presenter: PAPA, Alessandra

Contribution ID: 12

Type: **not specified**

Parametrized black hole ringdown and black hole scalarization

Wednesday, 21 August 2019 15:00 (1 hour)

Presenter: BERTI, Emanuele

Contribution ID: 13

Type: **not specified**

Dynamical Formation of Black Hole Mergers

Thursday, 22 August 2019 10:00 (1 hour)

Presenter: SAMSING, Johan

Contribution ID: 14

Type: **not specified**

The seismology of Love: the impact of tides on neutron star binary signals

Thursday, 22 August 2019 11:30 (1 hour)

Presenter: ANDERSSON, Nils

Contribution ID: 15

Type: **not specified**

The Fermi/GBM as gamma-ray transient monitor and more

Thursday, 22 August 2019 14:00 (1 hour)

Presenter: GREINER, Jochen

Contribution ID: 16

Type: **not specified**

Detecting Gravitational waves on the public O1/O2 data

Thursday, 22 August 2019 15:00 (1 hour)

Presenter: ZACKAY, Barak

Contribution ID: 17

Type: **not specified**

State-of-the-art 3D Supernova Explosion Simulations

Friday, 23 August 2019 10:00 (1 hour)

Presenter: BURROWS, Adam

Contribution ID: 18

Type: **not specified**

Dark Matter, Nuclear Physics, Gravitation... and Murder: the r-process as a probe of primordial black hole capture-induced neutron star implosion

Friday, 23 August 2019 11:30 (1 hour)

Presenter: FULLER, George

Contribution ID: **19**

Type: **not specified**

First Direct Image of a Black Hole

Friday, 23 August 2019 14:00 (1 hour)

Presenter: HO, Paul