

# **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