

**10th Astroparticle Physics
Science Fair 2023/2024:
Gravitation and Cosmology**

Report of Contributions

Contribution ID: 1

Type: **not specified**

The Gravitation and Cosmology Group: Gravitational Waves

Thursday, 8 February 2024 09:00 (10 minutes)

Presenter: Dr ARCA SEDDA, Manuel (GSSI)

Session Classification: Talk session

Contribution ID: 2

Type: **not specified**

The Gravitation and Cosmology group: the transient universe in the multimessenger astronomy era

Thursday, 8 February 2024 09:10 (10 minutes)

Presenter: Dr OGANESYAN, Gor (Gran Sasso Science Institute)

Session Classification: Talk session

Contribution ID: 3

Type: **not specified**

Gravitational Wave Astrophysics: populations and dynamics

Thursday, 8 February 2024 10:08 (16 minutes)

Presenter: Dr SANTOLIVUO, Filippo (Gran Sasso Science Institute)

Session Classification: Talk session

Contribution ID: 4

Type: **not specified**

Multimessenger Astronomy: Kilonovae and Neutron Stars

Thursday, 8 February 2024 10:24 (16 minutes)

Presenter: Dr ASCENZI, Stefano (Gran Sasso Science Institute)

Session Classification: Talk session

Contribution ID: 5

Type: **not specified**

Gravity Theory and Multi-probe Cosmology

Thursday, 8 February 2024 09:52 (16 minutes)

Presenter: Dr MURGIA, Riccardo (Gran Sasso Science Institute)

Session Classification: Talk session

Contribution ID: 6

Type: **not specified**

Gravitational Wave Data Analysis

Thursday, 8 February 2024 09:36 (16 minutes)

Presenters: Dr TISSINO, Jacopo (Gran Sasso Science Institute); Dr DUPLETSA, Ulyana (Gran Sasso Science Institute)

Session Classification: Talk session

Contribution ID: 7

Type: **not specified**

Gravitational Wave Experiments

Thursday, 8 February 2024 09:20 (16 minutes)

Presenter: Dr KOLEY, Soumen (Gran Sasso Science Institute)

Session Classification: Talk session

Contribution ID: 8

Type: **not specified**

Multimessenger astronomy in high-energy and very-high-energy gamma-rays

Thursday, 8 February 2024 10:40 (16 minutes)

Presenter: Dr BANERJEE, Biswajit (Gran Sasso Science Institute (GSSI))

Session Classification: Talk session

Contribution ID: 9

Type: **not specified**

Look into Cosmology through Gravitational Waves

Thursday, 8 February 2024 12:00 (1h 30m)

Presenter: KUGARAJH, Anjali Abirami (Gran Sasso Science Institute)

Session Classification: Poster session

Contribution ID: **10**

Type: **not specified**

X-GRaB: Exploring X-ray Flares from Gamma-Ray Bursts in GeV band

Thursday, 8 February 2024 12:00 (1h 30m)

Presenter: TIWARI, Pawan (Gran Sasso Science Institute)

Session Classification: Poster session

Contribution ID: 11

Type: **not specified**

Black Holes Growing Pains and First Stars

Thursday, 8 February 2024 12:00 (1h 30m)

Presenters: MESTICHELLI, Benedetta (Gran Sasso Science Institute); PAIELLA, Lavinia (Gran Sasso Science Institute)

Session Classification: Poster session

Contribution ID: 12

Type: **not specified**

Model-independent cosmology with GRBs and GWs

Thursday, 8 February 2024 12:00 (1h 30m)

Presenter: COZZUMBO, Andrea (Gran Sasso Science Institute)

Session Classification: Poster session

Contribution ID: 13

Type: **not specified**

Asymmetric Binaries as probes of Fundamental Fields

Thursday, 8 February 2024 12:00 (1h 30m)

Presenter: GLIORIO, Sara (Gran Sasso Science Institute)

Session Classification: Poster session

Contribution ID: 14

Type: **not specified**

Properties of Compact Objects

Thursday, 8 February 2024 12:00 (1h 30m)

Presenter: TRABUCCO, Silvia

Session Classification: Poster session

Contribution ID: 15

Type: **not specified**

The Lunar Gravitational Wave Antenna and Multiband Gravitational Wave Astronomy

Thursday, 8 February 2024 12:00 (1h 30m)

Presenter: TISSINO, Jacopo (GSSI)

Session Classification: Poster session

Contribution ID: 16

Type: **not specified**

A Fisher Matrix software to evaluate parameter-estimation capabilities of GW detectors

Thursday, 8 February 2024 12:00 (1h 30m)

Presenter: DUPLETSA, Ulyana (Gran Sasso Science Institute)

Session Classification: Poster session

Contribution ID: 17

Type: **not specified**

Short Gamma-ray burst in the Multimessenger Era

Thursday, 8 February 2024 12:00 (1h 30m)

Presenter: IERARDI, Annarita (Gran Sasso Science Institute)

Session Classification: Poster session

Contribution ID: **18**

Type: **not specified**

Cosmology with Gravitational Waves from Black Hole Binaries

Thursday, 8 February 2024 12:00 (1h 30m)

Presenter: DUPLETSA, Ulyana (Gran Sasso Science Institute)

Session Classification: Poster session