

Session Program

May 2 - 5, 2023



Progress on Old and New Themes in cosmology (PONT) 2023

Gravitational Waves

Palais des papes, Avignon, Chambre du Trésorier

Tue, May 2

9:00 AM

Gravitational Waves

Session | **Location:** Palais des papes, Avignon, Chambre du Trésorier

09:00 - 09:35 **LVK review**

Speaker

Rachel Gray

Location

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09:35 - 10:10 **PTA Review**

Speaker

Golam Mohiuddin Shaifullah

Location

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10:10 - 10:45 **GW Beyond-LCDM**

Speaker

Tessa Baker

Location

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10:45 - 11:15 **Coffee break**

11:15 - 11:50 **Magnifying the gravitational-wave Universe**

Speaker

Jose Maria Ezquiaga Bravo

Location

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11:50 - 12:25 **LISA cosmology**

Speaker

Chiara Caprini

Location

Palais des papes, Avignon, Chambre du Trésorier

12:25 PM

2:00 PM

Gravitational Waves: Contributed Talks

Session | **Location:** Palais des papes, Avignon, Chambre du Trésorier

14:00 - 14:20

Gwfast and the detection of high-redshift black-hole binaries at third generation GW detectors

Speaker

Michele Mancarella

Location

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14:20 - 14:40

Gravitational-wave cosmology with binary black holes as dark sirens in the 3G era**Speaker**

Danny LAGHI

Location

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14:40 - 15:00

Measuring supermassive black hole properties from binary inspirals in LISA**Speaker**

Adrien KUNTZ

Location

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15:00 - 15:20

Constraining cosmological parameters with massive black hole binaries**Speaker**

Alberto Mangiagli

Location

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15:20 - 15:40

Modified gravitational-wave propagation with extreme mass-ratio inspirals**Speaker**

Chang Liu

Location

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15:40 - 16:00

Smoking guns of beyond-GR physics in binary mergers**Speaker**

Dr Daniela Doneva

Location

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16:00 - 16:30

Coffee break

16:30 - 16:50

Gravitational wave production in higher derivative gravity**Speaker**

Anna Tokareva

Location

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16:50 - 17:10

The SGWB produced by MHD turbulence in the early universe**Speaker**

Dr Alberto Roper Pol

Location

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17:10 - 17:30

Real scalar phase transitions: bubble nucleation, nonperturbatively**Speaker**

Anna Kormu

Location

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17:30 - 17:50

Reconstructing phase transitions from future LISA data

Speaker

Deanna Hooper

Location

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17:50 - 18:10

Searching for anisotropic stochastic GW backgrounds with constellations of space-based interferometers

Speaker

Giulia Capurri

Location

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18:10 - 18:30

Searching for the Stochastic Gravitational-Wave Background with Ground-Based Detectors

Speaker

Jishnu Suresh

Location

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6:30 PM