

Session Program

13-14 Oct 2022



Belgian-Dutch Gravitational Wave Meeting 2022

Data Analysis and Observations

Het Pand, Vergaderzaal 2.3 August Vermeylen
Onderbergen 1, 9000 Ghent, Belgium

Thursday 13 October

13:50

Data Analysis and Observations

Session | **Location:** Het Pand, Vergaderzaal 2.3 August Vermeylen, Onderbergen 1, 9000 Ghent, Belgium | **Convener:** Maria Haney

13:50–14:10

The Quest of Subsolar-mass (Primordial) Black Holes

Speaker

Sebastien Clesse

14:10–14:20

Gravitational-wave constraints on the GeV excess in the galactic center

Speaker

Andrew Miller

14:20–14:30

Stochastic Gravitational-Wave Background and Pulsar Glitches

Speaker

Federico De Lillo

14:30–14:40

Model-independent searches for anisotropic stochastic gravitational wave background

Speaker

Jishnu Suresh

14:40–14:50

Neural ratio estimation for precision analysis of GW signals

Speaker

Uddipta Bhardwaj

14:50–15:00

REMOTE: Tests of sub-dominant mode amplitude structure of Binary black hole coalescences

Speaker

Chinmay Kalaghatgi

15:00–15:10

Unraveling information about supranuclear-dense matter from the complete binary neutron star coalescence using future gravitational-wave detector networks

Speaker

Anna Puecher

15:10–15:20

Correcting biases from overlapping signals in the third generation era: parameter estimation methods

Speaker

Tomasz Baka

15:30

15:55

Data Analysis and Observations

Session | **Location:** Het Pand, Vergaderzaal 2.3 August Vermeylen, Onderbergen 1, 9000 Ghent, Belgium |
Convener: Tjonnje Li

15:55–16:05

On the identification of strongly-lensed gravitational waves

Speaker

Justin Janquart

16:05–16:15

Identification of strongly lensed gravitational-wave pairs with deep learning

Speaker

Arthur Offermans

16:15–16:25

Constraining deviations from general relativity using quadruply lensed gravitational waves

Speaker

Harsh Narola

16:25–16:35

Galaxy catalogs for electromagnetic follow-up and cosmology

Speaker

Gergely Dályá

16:35–16:45

The impact of galaxy redshift uncertainty models on the Hubble constant from gravitational waves

Speaker

Cezary Turcki

16:45–16:55

Detectability of a spatial correlation between stellar mass black hole mergers and Active Galactic Nuclei

Speaker

Niccolò Veronesi

16:55–17:05

Wave-optics limit of the stochastic gravitational wave background

Speaker

Alice Garoffolo

17:05–17:15

Prospects of testing late-time cosmology with weak lensing of gravitational waves and galaxy surveys

Speaker

Anna Balardo

17:15–17:25

Probing the Large Scale Structure of the Universe using Gravitational Waves

Speaker

Freija Beirnaert

17:30