

Session Program

27-28 Oct 2025



Belgian-Dutch Gravitational Wave Meeting 2025

Contributed talks

Huygensgebouw, HG00.304

Monday 27 October

14:00

Contributed talks

Session | **Location:** Huygensgebouw, HG00.304

14:00-14:15

Search for gravitational waves associated with high-energy neutrinos detected by IceCube during the LIGO-Virgo run O3

Speaker

Matthias Vereecken

14:15-14:30

Leveraging the null stream to detect strongly lensed gravitational wave signals

Speaker

Jef Heynen

14:30-14:45

Mitigating systematic errors in Parameter Estimation in the era of loud gravitational wave signals

Speaker

Sumit Kumar

14:45-15:00

Residual Test to Search for Microlensing Signatures in Strongly Lensed Gravitational Wave Signals

Speaker

Eungwang Seo

15:00-15:15

Searches for Signatures of Gravitational Wave Lensing in LIGO--Virgo--KAGRA Data

Speaker

Mick Wright

15:15-15:30

Exploring degeneracies between Precession and Microlensing in GW Signals

Speaker

Disha Hegde

15:30

14:00

Contributed talks

Session | **Location:** Huygensgebouw, HG00.307

14:00-14:15

Signatures of Phase Transition in Neutron Star Mergers

Speaker

Pablo Bosch

14:15-14:30

Cosmic superstrings in large volume compactifications: PTAs, LISA and time-varying tension

Speaker

Filippo Revello

14:30-14:45

Gravitational Waves from tri-axial rotating stars in Linearized gravity - an analytical boundary value problem approach**Speaker**

Prakash Sarnobat

14:45-15:00

Equation of State at finite temperature in the era of new nuclear physics and multimessenger constraints**Speaker**

Chiranjib Mondal

15:00-15:15

Thermal Effects on Tidal Deformabilities of Neutron Stars**Speaker**

Ethan Carlier

15:30

16:00

Contributed talks**Session** | **Location:** Huygensgebouw, HG00.307

16:00-16:15

Approach to the separatrix with eccentric orbits**Speaker**

Guillaume Lhost

16:15-16:30

Gravitational waves from the quasi-spherical inspiral of a spinning body in Kerr spacetime**Speaker**

Gabriel Andres Piovano

16:30-16:45

Testing modified gravity with the eccentric neutron star--black hole merger GW200105**Speaker**

Justin Janquart

16:45-17:00

Non-linear dynamics beyond General Relativity**Speaker**

Llibert Aresté Saló

17:00-17:15

Solving Einstein's equations as Bayesian inference**Speaker**

Tom Colemont

17:30

16:00

Contributed talks**Session** | **Location:** Huygensgebouw, HG00.304

16:00-16:15

Combining Modelled and Unmodelled Inference Methods for Compact Binary Coalescences

Speaker
Robin Chan

16:15-16:30

Bayesian Calibration of Gravitational-Wave Detectors Using Null Streams Without Waveform Assumptions

Speaker
Francesco Cireddu

16:30-16:45

Simulation-Based Inference for Stochastic Gravitational Wave Transients from Core-Collapse Supernovae

Speaker
Chun-Fung Wong

16:45-17:00

EMRIs for Mojito Dataset: Simulating and Validating a Relevant Catalog of Extreme Mass-Ratio Inspirals for LISA

Speaker
Bert Depoorter

17:00-17:15

Encoding neutron star information into neural priors for gravitational wave analyses

Speaker
Thibaut Wouters

17:15-17:30

Glitch mitigation in the era of third-generation detectors

Speaker
Harsh Narola

17:30

Tuesday 28 October

11:00

Contributed talks

Session | **Location:** Huygensgebouw, HG00.307

11:00-11:15

Does the Local Universe dominate Astrophysical Gravitational Wave Background Anisotropies?

Speaker

Coen Rondeel

11:15-11:30

Simulation of Core-Collapse Supernovae with advanced neutrino transport

Speaker

Arthur Offermans

11:30-11:45

Resolving white dwarf binaries within globular clusters with LISA

Speaker

Wouter van Zeist

11:45-12:00

Stable evolutions of ultracompact black hole mimickers in 3+1 dimensions.

Speaker

Seppe Staelens

12:00-12:15

Extreme mass ratio inspirals with eccentricity in a scalar cloud environment

Speaker

Robrecht Keijzer

12:15-12:30

3DMHD simulations of stellar mergers & their GW signals

Speaker

Dr Javier Moran Fraile

12:30

11:00

Contributed talks: Contributed talks

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11:00-11:15

Probing gravitational waves using GNSS constellations

Speaker

Bruno Bertrand

11:15-11:30

Neural likelihood estimators for flexible Gravitational wave data analysis

Speaker

Luca Negri

11:30-11:45

The Doppler boosted LISA response to gravitational waves

Speaker

Tom van der Steen

12:30

11:45-12:00

Exotic Optical Modes for Thermal Noise Reduction in Metrology

Speaker

Charlotte Bragard