

Solvay Workshop on Gravitational Waves

19-21 February 2025, ULB - Campus Plaine - Building NO - 5th Floor - Solvay Room

WEDNESDAY 19 FEBRUARY

00.00 00.15	Degistration		
09:00 - 09:15	Registration		
Chair: Samaya Nissanke			
09:15 - 09:20	Opening and welcome speech by Samaya Nissanke		
09:20 - 10:00	Wendy Freedman - Talk online		
10:00 - 10:40	Julien Lesgourgues: Attempts to explain the Hubble tension		
	with alternative cosmologies		
10:40 - 11:10	COFFEE BREAK		
11:10 - 11:50	Bernard Schutz : The Unexpected Discovery of Standard Sirens		
11:50 - 12:40	Rachel Gray: Cosmology with Dark Sirens and Galaxy		
	Catalogues: a review		
12:40 - 14:00	LUNCH BREAK		
Chair: Sébastien Clesse			
14:00 - 14:40	Adam Riess - Talk online: JWST and the Hubble Tension		
14:40 - 15:20	Dillon Brout: Precision Cosmology with Type Ia Supernovae		
15:20 - 15:50	COFFEE BREAK		
15:50 - 17:00	Panel 1: Hubble Tension (Chair: Licia Verde)		
14:00 - 14:40 14:40 - 15:20 15:20 - 15:50	Adam Riess - Talk online: JWST and the Hubble Tension Dillon Brout: Precision Cosmology with Type Ia Supernovae COFFEE BREAK		

THURSDAY 20 FEBRUARY

Chair: Geoffrey Compere

09:00 - 09:40	Archisman Ghosh: Gravitational-wave observations: from
	LIGO-Virgo-KAGRA towards the Einstein Telescope
09:40 - 10:20	Tanja Hinderer: Gravitational-wave source modeling using
	analytical relativity
10:20 - 11:00	Stefan Hild: Einstein Telescope's amazing
	sensitivity - and will we reach it?"
11:00 - 11:30	COFFEE BREAK
11:30 - 12:10	Francois Foucart: Modeling merging neutron stars through
	numerical simulations
12:10 - 12:50	Sarah Antier: EM follow up of GW sources
12:50 - 14:00	LUNCH

Chair: Alex Sevrin

14:00 - 14:40	Antonella Palmese: Multimessenger measurements and
	prospects for cosmology with gravitational wave
	ground based detectors
14:40 - 15:20	Justin Janquart: Lensed gravitational wave to study
	the Universe
15:20 - 15:50	COFFEE BREAK
15:50 - 16:30	Mairi Sakellariadou
16:00 - 18:00	Lightening talks poster session
19:30 - 22:00	BANQUET (Les Petits Oignons, rue de la Régence, 25)

FRIDAY 21 FEBRUARY

Chair: Sébastien Clesse

09:00 - 09:40	Michael Kramer: Opening a new GW frequency window with
	Pulsar Timing Arrays
09:40 - 10:20	Chiara Mingarelli - Astrophysics with Pulsar Timing
	Arrays: Current Results and Future Directions
10:20 - 11:00	Andrea Mitridate : The nHz Gravitational Wave Background:
	evidence and open questions
11:00 - 11:30	COFFEE BREAK
11:30 - 12:10	Chiara Caprini: Cosmology with LISA: stochastic background
	and standard sirens
12:10 - 12:50	James Alvey: Machine Learning for Gravitational Waves:
	Challenges and Opportunities
12:50 - 13:00	Group Photo
13:00 - 14:00	LUNCH
14:00 - 15:00	Panel 2: What Are We Missing? (Chairs: Bernard Schutz
	& Samaya Nissanke)
15:00	Closure of the Workshop

Coffee Breaks and Lunches:

- Coffee breaks will be provided for all attendees (in the hall adjacent to the conference room).
- Invited speakers and committee members will have lunch at the UAE restaurant on Wednesday, 19 February, and Thursday, 20 February.
- Participants who register through our website are required to arrange their own lunch on these days. (A cafeteria is available on campus, and several snack shops are within a 15-minute walk.)
- On Friday, 21 February, sandwiches will be provided for everyone (in the hall adjacent to the conference room).