

Seminar on the Interface of Particle Physics and Gravitational Waves

Report of Contributions

Contribution ID: 1

Type: **not specified**

Towards new constraints on inflation with the Simons Observatory

Tuesday, 18 November 2025 12:30 (30 minutes)

Presenter: HERTIG, Emilie

Contribution ID: 3

Type: **not specified**

Gravitational wave memory from primordial black hole mergers

Tuesday, 2 December 2025 12:30 (30 minutes)

Presenter: GASPAROTTO, Silvia

Contribution ID: 5

Type: **not specified**

Causality in non-linear quantum wave equations

Tuesday, 16 December 2025 12:30 (30 minutes)

Presenter: OSEKA-LENART, Julia

Contribution ID: 7

Type: **not specified**

Constraining the gravitational wave speed in the early Universe via gravitational Cherenkov radiation

Tuesday, 13 January 2026 12:30 (30 minutes)

Presenter: THERIAULT, Roxane

Contribution ID: 9

Type: **not specified**

To bounce or not to bounce in generalized Proca theory and beyond

Tuesday, 27 January 2026 12:30 (30 minutes)

Presenter: NUSSBAUMER, Nadine

Contribution ID: 15

Type: **not specified**

Gravitational waves from fluid perturbations in first-order phase transitions

Tuesday, 18 November 2025 13:00 (30 minutes)

Presenter: MIDIRI, Antonino

Contribution ID: 16

Type: **not specified**

Searching for spin-2 dark matter with gravitational wave detectors

Tuesday, 2 December 2025 13:00 (30 minutes)

Presenter: DELGADO, Paola

Contribution ID: 17

Type: **not specified**

Gamma-gamma to lepton-lepton interactions in LHC

Tuesday, 2 December 2025 13:30 (30 minutes)

Presenter: MROZ, Tomasz

Contribution ID: **18**

Type: **not specified**

Non-local mass superpositions and optical clock interferometry in atomic ensemble quantum networks

Tuesday, 16 December 2025 13:00 (30 minutes)

Presenter: FROMONTEIL, Charles

Contribution ID: **19**

Type: **not specified**

Detecting white dwarf binary mergers with gravitational waves

Tuesday, 13 January 2026 13:00 (30 minutes)

Presenter: SALA, Giona

Contribution ID: 20

Type: **not specified**

Neutrino signatures from magnetar remnants of binary neutron star mergers: coincident detection prospects with gravitational waves

Tuesday, 13 January 2026 13:30 (30 minutes)

Presenter: MUKHOPADHAY, Mainak

Contribution ID: 21

Type: **not specified**

Functional methods for systems at the classical-quantum interface

Tuesday, 27 January 2026 13:00 (30 minutes)

Presenter: LO CHIATTO, Prisco

Contribution ID: 22

Type: **not specified**

R&D on wavelength-shifting reflectors for LEGEND-1000

Tuesday, 27 January 2026 13:30 (30 minutes)

Presenter: SENATORE, Gloria