

GdR OG: data analysis

7th October 2026

Organisation

Chairs:

- Yves Lemièrre (LPC Caen) - lemiere@lpccaen.in2p3.fr
- Florian Aubin (IPHC) - florian.aubin@iphc.cnrs.fr
- Alba Romero-Rodríguez (LAPP) - romero@lapp.in2p3.fr

Registration:

- Via main web-page: <https://gdrwg.in2p3.fr/structure/>

Communication channel/e-mail:

- Slack: <https://gdrog.slack.com/archives/C95BVRP62>

New proposal:

- Organising regular discussions to keep the community aware of ongoing activities

Timetable

- 09:00 — Antsa Rasamoela — Machine Learning for Gravitational Wave Data Analysis
- 09:45 — Hugo Einsle — Detection of GW stochastic background with Machine Learning
- 10:30 — Coffee break
- 11:00 — Alberto Iess — Search for supernovae with ML
- 11:45 — Tito Dal Canton — Combining matched filtering with a convolutional neural network for CBC signal detection
- 12:30 — Lunch
- 14:00 — Alice Spadaro — Accurate and efficient simulation-based inference for massive black-hole binaries with LISA
- 14:20 — Louis Le Saulnier — A simulation-based inference pipeline for fast parameter estimation of massive black hole binaries with LISA data
- 14:40 — Malvina Bellotti — Low-latency detection and parameter estimation of massive black hole binaries for LISA
- 15:00 — Iuliu Cuceu — Diffusing the assumptions: realistic LISA stochastic component separation with physics-aware simulation-based inference
- 15:20 — Thomas Sainrat — Plug-and-Play methods for reconstructing polarizations of gravitational wave signals
- 15:45 — Coffee break
- 16:15 — Hugo Alexandre — Fast localization of massive black hole binaries using the coronagraphic method for the LISA mission
- 16:35 — Mathieu Schoor — Earth's rotation impact on long-duration signals for 3G detectors