

Session Program

11-14 Nov 2025

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Opatija, Croatia

4th Einstein Telescope Annual Meeting ***Observational Science (OSB)***

Opatija, Croatia

Tuesday 11 November

13:20

Observational Science (OSB): Update from divisions & OSB roadmap

Session | **Location:** Opatija, Croatia | **Conveners:** Michele Maggiore, Marica Branchesi, Archisman Ghosh

13:20–13:30 **Div 1 update**

13:30–13:40 **Div 2 update**

13:40–13:50 **Div 3 update**

13:50–14:00 **Div 4 update**

14:00–14:10 **Div 5 update**

14:10–14:20 **Div 6 update**

14:20–14:30 **Div 7 update**

14:30–14:40 **Div 8 update**

14:40–14:50 **Div 9 update**

14:50–15:00 **Div 10 update**

15:00–15:20 **Roadmap discussion**

15:20

15:50

Observational Science (OSB): Divs 1, 2 contributions

Session | **Location:** Opatija, Croatia | **Conveners:** Archisman Ghosh, Marica Branchesi, Michele Maggiore

15:50–16:07 **Beyond GR tests with Einstein Telescope**

Speaker

Andrea Begnoni

16:07–16:24 **Spin-induced quadrupole moment test for eccentric compact binaries**

Speaker

Syed Naqvi

16:24–16:41

Detection prospects of parity-violating gravitational waves in third-generation ground detectors

Speaker

Hannah Duval

16:41–16:58

Multi-probe Cosmology with Standard Sirens: a GWxHI Cross-correlation Approach

Speaker

Matteo Schulz

16:58–17:15

From Astrophysics to Cosmology: forecasting Einstein Telescope's potential with improved merger rate models for spectral siren methods

Speaker

Giovanni Antinuzzi

17:50

Wednesday 12 November

09:00

11:00

11:30

Observational Science (OSB): OSB + EIB

Session | **Location:** Opatija, Croatia | **Conveners:** Michele Maggiore, Marica Branchesi, Archisman Ghosh

Observational Science (OSB): Div 3, 4, 7 contributions

Session | **Location:** Opatija, Croatia

11:30–11:47

Population Properties of Binary Black Holes from Star Clusters and Active Galactic Nuclei

Speaker

Alessandro Trani

11:47–12:04

Recent results on the high-energy emission from GRB jets

Speaker

Prof. Zeljka Bosnjak

12:04–12:21

Gravitational wave properties of the HESS J1731-347 Object as a Twin Compact Star

Speaker

Dr David Alvarez Castillo

12:21–12:38

An incremental approach for all-sky searches for continuous gravitational wave signals

Speaker

Cristiano Palomba

12:38–12:55

Probing increasingly younger neutron stars through continuous gravitational waves with higher-order spin-down parameters.

Speaker

Lorenzo Pierini

13:00

14:00

Observational Science (OSB): Div 10 contributions

Session | **Location:** Opatija, Croatia | **Conveners:** Michele Maggiore, Marica Branchesi, Archisman Ghosh

14:00–14:17

Test of a deep anomaly detection algorithm using MDC1

Speaker

Dr Huw Haigh

14:17–14:34

Fast and accurate parameter estimation of high-redshift sources with the Einstein Telescope

Speaker

Filippo Santoliquido

14:34–14:51

Hierarchical Subtraction with Neural Density Estimators as a General Solution to Overlapping Gravitational Wave Signals**Speaker**

Qian Hu

14:51–15:08

Fast glitch removal method**Speaker**

Edoardo Milotti

15:08–15:25

Overlapping signals in next-generation gravitational wave observatories: A recipe for selecting the best parameter estimation technique**Speaker**

Harsh Narola

15:25–15:42

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

Chun-Fung Wong

15:42–15:59

Fast likelihood evaluation of eccentric-precessing binaries using relative binning**Speaker**

Dr Soumen Roy

16:00