



# XIV ET Symposium | Maastricht

## Monday 6 May 2024

### OSB: Pre-Session - Room 2.1 (10:00 - 12:00)

### OSB: DIV1 - Room 2.1 (13:15 - 14:00)

time	[id] title	presenter
13:15	[162] Div 1 chairs	VAN DEN BROECK, Chris
13:30	[163] Science overview: Fundamental Physics with ET	PACILLO, Costantino

### OSB: DIV2 - Room 2.1 (14:00 - 15:00)

time	[id] title	presenter
14:00	[164] Div 2 chairs	RICCIARDONE, Angelo Dr GHOSH, Archisman SAKELLARIADOU, Mairi
14:30	[93] Gravitational Waves from Domain Wall Dynamics	
14:45	[62] The astrophysical gravitational-wave background as a probe for both astrophysics and cosmology	CAPURRI, Giulia

### OSB: DIV2 - Room 2.1 (15:30 - 16:30)

time	[id] title	presenter
15:30	[29] Model-independent cosmology with joint observations of gravitational waves and $\gamma$ -ray bursts	
15:45	[80] Unbiased standard siren cosmology with joint GW and GRB observations	
16:00	[23] On the impact of lensing on standard sirens measurements	
16:15	[100] Measuring the value of $H_0$ using dark sirens and Sunyaev–Zeldovich galaxy cluster catalogues	

### OSB: DIV7 - Room 2.1 (16:30 - 18:15)

time	[id] title	presenter
16:30	[165] Div 7 chairs	PALOMBA, Cristiano HENG, Ik Siong LIMONGI, Marco
17:00	[2] Localizing binary neutron star inspirals and constraining primordial black hole abundance using continuous wave methods in ET	
17:15	[18] Bridging Relativistic Jets from Black Hole Scales to Long-Term Electromagnetic Radiation Distances: a Moving-Mesh General Relativistic Hydrodynamics Code with HLLC Riemann Solver	

17:30	[166] How to make a neutron-star mountain out of a molehill	GITTINS, Fabian
17:45	[167] The initial mass – remnant mass relation for core-collapse supernovae	UGOLINI, Cristiano
18:00	[168] Theoretical prediction and observed rates for CCSNe	GIUDICE, Ines

## Tuesday 7 May 2024

### **OSB: DIV3 - Room 2.1 (09:00 - 10:30)**

time	[id] title	presenter
09:00	[169] Div 3 chairs	RIOTTO, Antonio CUSIN, Giulia MAPELLI, Michela
09:30	[21] Classifying binary black holes from Population III stars with the Einstein Telescope	
09:45	[22] Primordial Black Holes or else? Tidal tests on subsolar gravitational-wave observations	
10:00	[57] Unveiling the formation of intermediate-mass black holes in dense star clusters with ET	
10:15	[66] Stellar black hole mergers as probes of cosmic chemical evolution	

### **OSB: DIV3 - Room 2.1 (11:15 - 11:45)**

time	[id] title	presenter
11:15	[78] Measuring cosmic star formation with next Generation GW detectors	
11:30	[177] Probing primordial black holes with ET	VASKONEN, Ville

### **OSB: DIV5 - Room 2.1 (11:45 - 12:30)**

time	[id] title	presenter
11:45	[170] Div 5 chairs	COLPI, Monica NISSANKE, samaya
11:55	[195] EPTA and PTA synergies with ET	PARTHASARATHY, Aditya PERRODINE, Delphine
12:15	[16] Directional response of the Astrometric Gravitational Wave Antenna in the context of multimessenger synergies	

### **OSB: DIV6 - Room 2.1 (14:00 - 15:00)**

time	[id] title	presenter
14:00	[171] Div 6 chairs	HINDERER, Tanja
14:30	[25] Problematic systematics in neutron-star merger simulations	GITTINS, Fabian
14:45	[172] Revealing the strength of three-nucleon interactions with the Einstein Telescope	PANG, Peter Dr PANG, Peter T. H.

### **OSB: DIV8 - Room 2.1 (15:00 - 16:00)**

time	[id] title	presenter
15:00	[173] Div 8 chairs	PFEIFFER, Harald

15:30	[3] Gravitational wave signatures of intermediate-mass black holes	
15:45	[75] Systematic Biases in Estimating the Properties of Black Holes Due to Inaccurate Gravitational-Wave Models	

## Wednesday 8 May 2024

### OSB: DIV4 - Room 2.1 (09:00 - 10:30)

time	[id] title	presenter
09:00	[175] Div 4 chairs	LEVAN, Andrew GHIRLANDA, Giancarlo VERGANI, Susanna
09:30	[74] Multi-messenger observations in the Einstein Telescope era: binary neutron star and black hole - neutron star mergers	
09:45	[10] Perspectives for kilonovae multi-messenger detections	
10:00	[95] ET-WST synergy for next generation gravitational wave multi-messenger observations	BISERO, Sofia
10:15	[97] The great synergy of ET with next-generation GRB observatories	Dr AMATI, Lorenzo

### OSB: DIV10 - Room 2.1 (11:15 - 13:00)

time	[id] title	presenter
11:15	[176] Div 10 chairs	SAMAJDAR, Anuradha CUOCO, Elena Prof. GUIDI, Gianluca Maria REGIMBAU, Tania
11:45	[42] Binary Black Hole Parameter Estimation using a Conditioned Normalizing Flow	BACHLECHNER, Markus
12:00	[51] Impact of Correlated Noise on Third-Generation Gravitational-Wave Detectors: Biases in Parameter Estimation and Design Performance	
12:15	[59] Normalizing flows as an avenue to study overlapping gravitational wave signals	
12:30	[81] Robust parameter estimation on gravitational wave signals from binary neutron star inspirals within minutes	

### OSB: DIV10 - Room 2.1 (14:00 - 14:30)

time	[id] title	presenter
14:00	[83] Parameter estimation of the overlapping signals: descending in frequency and ascending in speed	
14:15	[92] Deep learning to detect compact binary coalescences. A test with Einstein Telescope MDC.	PAPALINI, Lucia

### OSB: DIV9 - Room 2.1 (14:30 - 15:30)

time	[id] title	presenter
14:30	[174] Div 9 chairs	MASELLI, Andrea BEJGER, Michal MANCARELLA, Michele
15:00	[13] Enhancing Fisher Matrix Results with Physically Motivated Priors	

15:15	[88] Extending the Fisher matrix formalism towards the edges
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Mr IACOVELLI, Francesco
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**OSB: Blue book - Room 2.1 (16:15 - 17:00)**

**-Conveners: Marica Branchesi; Michele Maggiore; Archisman Ghosh**