XV ET Symposium | Bologna

Monday 26 May 2025

Observational Science (OSB) (16:00 - 18:30)

time	[id] title	presenter
16:00	[216] Roadmap of the OSB	

Tuesday 27 May 2025

Observational Science (OSB) (09:00 - 11:00)

time	[id] title	presenter
09:00	[16] Theory-agnostic searches for non-gravitational modes in black hole ringdown	CRESCIMBENI, Francesco
09:12	[20] Echoes of the black hole microstructure	DIMA, Alexandru
09:24	[30] Environmental imprints on black hole ringdowns: quasinormal modes in matter halos	PEZZELLA, Laura
09:36	[23] Model-agnostic inspiral tests of the multipolar structure and tidal properties of a Kerr Black Hole	AGAPITO, Alessandro
09:48	[33] Greybody factors as robust gravitational observables: insights into post-merger signals and echoes from ultracompact objects	ROSATO, Romeo Felice
10:00	[125] Intermediate mass black holes play hide-and-seek	NIPOTI, Carlo
10:12	[26] Seeds to success: growing heavy black holes in dense star clusters	PAIELLA, Lavinia
10:24	[105] Probing the population of pop III remnants using gravitational wave observations	NADERI VARIUM, Krishnendu
10:36	[21] Simulating intermediate-mass black holes in the first star clusters	MESTICHELLI, Benedetta
10:48	[103] Disentangling the formation channels of binary black holes	KORB, Erika

Observational Science (OSB) (11:30 - 13:06)

time	[id] title	presenter
11:30	[5] Postmerger: a new and dominant contribution to the gravitational-wave background from binary neutron stars	LEHOUCQ, Léonard
11:42	[7] Unravelling the nature of intermediate-mass black holes with ET and 3rd generation detectors	ARCA SEDDA, Manuel
11:54	[111] The Formation of Early Supermassive Black Holes and Their Gravitational Wave Signatures	DAVARI, Nazanin
12:06	[153] Exploring High-Redshift Compact Binary Evolution with Next-Generation GW Detectors	., Divyajyoti
12:18	[2] Interface modes in inspiralling neutron stars: A smoking-gun gravitational-wave signature of first-order phase transitions	Dr GITTINS, Fabian
12:30	[112] Probing hadron-quark phase transition in twin stars using f-modes	ALVAREZ CASTILLO, David Edwin
12:42	[181] Stability of differentially rotating hyper-massive neutron stars	Prof. ROSINSKA, Dorota
12:54	[69] Subsolar mass compact objects	DRAGO, Alessandro

Wednesday 28 May 2025

Observational Science (OSB) (09:00 - 11:00)

time	[id] title	presenter
09:00	[102] The synergy of Euclid and Einstein Telescope: cosmology with gravitational waves	CIMATTI, Andrea
09:24	[106] The great synergy of ET with next-generation GRB observatories	Dr AMATI, Lorenzo
09:48	[82] ET-WST synergy for next-generation gravitational wave multi-messenger observations	BISERO, Sofia
10:00	[138] Vera Rubin Observatory and Einstein Telescope: kilonova observation strategies to optimize target-of-opportunity follow ups	HAZRA, Nandini
10:12	[179] Binary Neutron Star Merger, Cosmic Rays, and Neutrinow	Prof. BULIK, Tomasz
10:24	[36] Multi-messenger observations in the Einstein Telescope era: binary neutron star and black hole - neutron star mergers	COLOMBO, Alberto
10:36	[115] Model-independent constraints in the context of multi-messenger cosmology	COZZUMBO, Andrea
10:48	[168] The combination of ET and WST for future generation standard sirens analysis	MORESCO, Michele

Observational Science (OSB) (11:30 - 13:06)

time	[id] title	presenter
11:30	[96] Post-Newtonian and Numerical Waveform Hybridization: Compatibility and Development	KACSKOVICS, Balázs
11:42	[146] Modeling matter(s) in SEOBNRv5THM: Generating fast and accurate effective-one-body waveforms for spin-aligned binary neutron stars	HABERLAND, Marcus
11:54	[27] Tidal heating as probe of black hole horizon	DATTA, Sayak
12:06	[45] Probing the maximum temperature ever reached in the universe with ET	PROCACCI, Simona
12:18	[116] Continuous wave search with Einstein Telescope: impact of an astrophysical background from coalescing binaries.	CODAZZO, Elena
12:30	[183] Low frequencies, long observing runs and young unknown neutron stars: challenges for future continuous gravitational wave searches.	PIERINI, Lorenzo
12:42	[149] Core-Collapse detection rates from Einstein Telescope	GIUDICE, Ines
12:54	[109] Core-Collapse Supernovae: Future Synergy Between LSST and ET	SIMONGINI, Andrea RAGOSTA, Fabio PIRANOMONTE, Silvia

Observational Science (OSB) (14:30 - 16:00)

time	[id] title	presenter
14:30	[38] Spectral density of astrophysical stochastic backgrounds	Dr BELGACEM, Enis
14:42	[39] Characterizing the detectability of cosmological backgrounds at third-generation detectors	MUTTONI, Niccolò

14:54	[4] Tainted Love: Systematic biases from ignoring environmental tidal effects in gravitational wave observations	Dr IACOVELLI, Francesco
15:06	[148] Characterizing, Not Just Detecting: Bayesian Neural Networks for Gravitational-Wave Physics	PACILIO, Costantino
15:30	[165] Challenges in stochastic background searches in the first ET MDC	EBERSOLD, Michael
15:42	[1] The null stream of the Einstein Telescope in its triangular configuration	HARMS, Jan

Observational Science (OSB) (16:30 - 18:30)

time	[id] title	presenter
16:30	[114] Null Stream Based Glitch Mitigation for Gravitational Wave Parameter Estimation	NAROLA, Harsh
16:42	[145] DeepExtractor: Time-domain reconstruction of signals and glitches in gravitational wave data with deep learning	DOONEY, Tom
16:54	[13] PINNGraPE: Physics-Informed Neural Network for Gravitational-wave Parameter Estimation with unmodeled search algorithms	SCIALPI, Matteo
17:06	[44] A weakly-modeled search for compact binary coalescences in the Einstein Telescope	MACQUET, Adrian
17:18	[24] Fast and accurate parameter estimation of high-redshift sources with the Einstein Telescope	Dr SANTOLIQUIDO, Filippo
17:30	[32] Overlapping signals in 3G detectors: an approach based on Transformers	PAPALINI, Lucia
17:42	[78] Scalable Bayesian Inference for 3G Gravitational Wave Observatories: Leveraging Normalizing Flows and Hardware Acceleration	WOUTERS, Thibeau