



GEMMA 2

Monday, 16 September 2024

Gravitational Waves - Aula Cabibbo (CU033 FISICA E. FERMI - ground floor) (09:00 - 10:45)

time	[id] title	presenter
09:00	[86] LIGO-Virgo-KAGRA gravitational-wave sources and observational results	BEJGER, Michal Stanislaw
09:55	[85] Recent continuous wave searches and their astrophysical implications	Dr JONES, Dana
10:20	[17] Exploring the Gravitational Wave Background and its Implications	ROMERO-RODRÍGUEZ, Alba

Gravitational Waves - Aula Cabibbo (CU033 FISICA E. FERMI - ground floor) (11:15 - 12:30)

time	[id] title	presenter
11:15	[16] The low-frequency gravitational sky: Pulsar Timing Arrays	TIBURZI, Caterina
11:40	[23] Searching for generic gravitational waves transients in the data of current ground based detectors	TIWARI, Shubhanshu
12:05	[13] Progresses on targeted searches for gravitational waves emitted by Core-Collapse Supernovae	Dr SALEMI, Francesco

# Tuesday, 17 September 2024

## **Gravitational Waves - Aula Cabibbo (CU033 FISICA E. FERMI - ground floor) (14:00 - 15:45)**

time	[id] title	presenter
14:00	[18] LIGO-VIRGO-KAGRA NETWORK: THE O4 RUN AND BEYOND	LOSURDO, Giovanni
14:55	[31] Einstein Telescope, a 3G gravitational wave observatory	Dr NATICCHIONI, Luca
15:20	[68] Quantum Noise Reduction with Squeezing in Gravitational Wave Detectors, and upgraded technologies	DI PACE, Sibilla

## **Gravitational Waves - Aula Cabibbo (CU033 FISICA E. FERMI - ground floor) (16:15 - 18:20)**

time	[id] title	presenter
16:15	[63] Time-delay interferometry as a coronagraph	COSTA BARROSO, Raissa
16:40	[26] Deep learning methods for the analysis of gravitational wave data	RAZZANO, Massimiliano
17:05	[14] Astrophysical implications of compact binary observations with gravitational waves	GALAUDAGE, Shanika
17:30	[71] Impact of coalescence signals on continuous gravitational waves searches	CODAZZO, Elena

# Wednesday, 18 September 2024

## Gravitational Waves - Aula Cabibbo (CU033 FISICA E. FERMI - ground floor) (14:00 - 15:45)

time	[id] title	presenter
14:00	[64] A non-template-based data analysis approach to detect continuous gravitational waves from targeted neutron stars at dual harmonics	SUYAMPRAKASAM, Sudhagar
14:25	[65] LongFT: making exact computation of very long Fourier transforms accessible to everyone	MUCIACCIA, Federico
14:55	[39] Follow-up a signal deepened into noise: the challenge of blind continuous gravitational wave searches	MIRASOLA, Lorenzo
15:20	[9] Chemically-Homogeneous Evolution: Impacts on Stellar Populations and Compact Binary Mergers	DALL'AMICO, Marco

# Thursday, 19 September 2024

**Gravitational Waves - Aula Cabibbo (CU033 FISICA E. FERMI - ground floor) (09:00 - 09:55)**

time	[id] title	presenter
09:00	[66] The Future of Gravitational-Wave Astronomy	SCHMIDT, Patricia

**Gravitational Waves - Aula Cabibbo (CU033 FISICA E. FERMI - ground floor) (10:20 - 10:45)**

time	[id] title	presenter
10:20	[28] Tests of general relativity with LIGO-Virgo-KAGRA data	GHOSH, Archisman

**Gravitational Waves - Aula Cabibbo (CU033 FISICA E. FERMI - ground floor) (11:15 - 12:05)**

time	[id] title	presenter
11:15	[38] Cosmology with gravitational waves	GRAY, Rachel
11:40	[78] Synergies between gravitational-wave and dark-matter detection	MILLER, Andrew