



# Vulcano Workshop 2022 - Frontier Objects in Astrophysics and Particle Physics

## Monday, 26 September 2022

### Gravitation, GW and electromagnetic counterpart (09:00 - 10:40)

-Conveners: Salvatore Capozziello

time	[id] title	presenter
09:00	[48] Multiwavelength observations of afterglow of GW counterparts (GW170817)	TROJA, Eleonora
09:25	[21] Gravitational waves: recent results	PAPA, Maria Alessandra
09:50	[42] Gravitational Waves: a new way to explore the Universe	RICCI, Fulvio
10:15	[17] Einstein Telescope: science, technologies and perspectives	PUNTURO, Michele

### Gravitation, GW and electromagnetic counterpart (11:00 - 13:30)

-Conveners: stavros katsanevas

time	[id] title	presenter
11:00	[24] Relativistic Jets and Gamma-Ray Bursts from Neutron Star Mergers	VAN EERTEN, Hendrik
11:25	[49] Observations of Kilonovae and theoretical implications	DELLA VALLE, Massimo
11:50	[34] Core-collapse supernova detection: a deep learning approach	DI PALMA, Irene
12:15	[50] Integral observations of GW and transient phenomena	UBERTINI, Pietro
12:40	[2] Implications for cosmology following gravitational waves detected from binary black hole binaries	MASTROGIOVANNI, Simone
13:05	[22] LISA-Athena synergy for detecting GW and HE counterparts of supermassive binary BH mergers	MANGIAGLI, Alberto

### Gravitation, GW and electromagnetic counterpart (17:00 - 18:40)

-Conveners: Fulvio Ricci

time	[id] title	presenter
17:00	[51] GW detection at the Moon	KATSANEVAS, stavros
17:25	[52] Athena multimessenger science	PIRO, Luigi
17:50	[53] METRIC: an Italian proposal for an atmosphere/gravity/geodesy small mission in LEO	PERON, Roberto
18:15	[7] Three lunar laser ranging mission in 2023-2024 by NASA, ESA and CNSA for precision test of general relativity	PORCELLI, Luca