



# Vulcano Workshop 2024 - Frontier Objects in Astrophysics and Particle Physics

Monday, 27 May 2024

**Astrophysics/Cosmology** (17:00 - 19:05)

-Conveners: Alessandra Lamastra

time	[id] title	presenter
17:00	[12] Theory of Kilonovae from binary mergers	FRYER, Chris
17:25	[13] Observations of Kilonovae	ROSSI, Andrea
17:50	[14] Relativistic jets in GRB and NS mergers	Dr VAN EERTEN, Hendrik
18:15	[16] Properties of high-z galaxies observed with JWST	SANTINI, Paola
18:40	[17] The impact of JWST observations on galaxy formation	CASTELLANO, Marco

# Tuesday, 28 May 2024

## Astrophysics/Cosmology (09:00 - 10:45)

-Conveners: Nico Cappelluti

time	[id] title	presenter
09:00	[18] H0 tension: current data and possible solutions [remote contribution]	DI VALENTINO, Eleonora
09:30	[19] H0 from GW and EM joint measures	GIANFAGNA, Giulia
09:55	[20] Recent developments from Fast Radio Bursts	BURGAY, Marta
10:20	[21] Warm DM from Ly $\alpha$ systems	HAHNELT, Martin

## Astrophysics/Cosmology (11:05 - 13:10)

-Conveners: Paola Santini

time	[id] title	presenter
11:05	[22] Dual/Binary AGNs	VIGNALI, Cristian
11:30	[23] First stars in the Universe	GRAZIANI, Luca
11:55	[69] Gamma-ray and neutrino emission from Seyfert galaxies	LAMASTRA, Alessandra
12:20	[25] Implications of BH-BH events for cosmology	MASTROGIOVANNI, Simone
12:45	[26] Results from Euclid	CARDONE, Vincenzo Fabrizio

## Astrophysics/Cosmology (17:00 - 19:30)

-Conveners: Maria Alessandra Papa

time	[id] title	presenter
17:00	[27] Pulsar timing arrays	ALLEN, Bruce
17:25	[28] High-z GRBs	SACCARDI, Andrea
17:50	[29] Dusty wind and super early galaxies [remote talk]	FERRARA, Andrea
18:15	[30] Results from IXPE	FERRAZZOLI, Riccardo
18:40	[31] Primordial BHs and DM	CAPPELLUTI, Nico
19:05	[32] Multimessenger astronomy driven by high-energy neutrinos	SPURIO, Maurizio