

2nd Terrestrial Very-Long-Baseline Atom Interferometry Workshop

Wednesday 3 April 2024

Session: Welcome from Imperial College London Physics Department (13:25 - 13:30)

-Conveners: Stefan Soldner-Rembold

Session: Physics (13:30 - 15:00)

-Conveners: Christopher McCabe; Marianna Safronova; Albert Roura

time	[id] title	presenter
13:30	[32] Gravitational wave opportunities in the deci-Hertz range	FAIRHURST, Stephen
14:00	[33] Transient Targets for Dark Matter Searches using Quantum Sensors	EBY, Josh
14:30	[34] Atom interferometers as freely falling clocks for time-dilation measurements	ROURA, Albert

Session: Possible site Options for a TVLBAI (17:00 - 18:20)

-Conveners: Elias Lopez Asamar; Sean Paling

time	[id] title	presenter
17:00	[49] Review of site options for VLBAI experiments	ASAMAR, Elias Lopez
17:20	[50] Boulby Underground Laboratory	PALING, Sean

Friday 5 April 2024

Session: Synergies of Cold Atom and Laser Interferometry GW Experiments (09:30 - 11:00)

-Conveners: Stephen Fairhurst; Jonathan R. Ellis

time	[id] title	presenter
09:30	[61] LVK science	FAIRHURST, Stephen
09:55	[62] LISA science	Dr BAYLE, Jean-Baptiste
10:20	[63] DeciHz Synergies	URRUTIA, Juan

Session: Towards a Proto-Collaboration (11:00 - 12:00)

-Conveners: Sergio Calatroni; Naceur Gaaloul; Marilu Chiofalo

time	[id] title	presenter
11:00	[64] Introduction to the Session	
11:10	[65] Experience with Proto-Collaborations and Look-Alikes	ELLIS, Jonathan R.
11:25	[66] Discussion	

Session: Closing (12:00 - 12:30)

time	[id] title	presenter
12:00	[68] ICAP2024: Satellite meeting	
12:01	[69] Closing Remarks	