

GRAvitational-waves Science&technology Symposium (GRASS 2024)

Wednesday, 2 October 2024

Other challenges for future GW detectors: Chair: Daniel Vetrugno - Aula Kessler (09:40 - 10:40)

time	[id] title	presenter
09:40	[5] State of the art of crystalline test mass suspensions	TRAVASSO, Flavio
10:00	[41] High Power is Nothing Without Control: Tackling Thermal Aberrations in Future GW Detectors	Dr LORENZINI, Matteo
10:20	[13] Birefringence measurements of substrate materials and coatings for Einstein Telescope	ZAVATTINI, Guido

Other challenges for future GW detectors: Chair: Daniel Vetrugno - Aula Kessler (11:10 - 13:00)

time	[id] title	presenter
11:10	[47] Quantum superfluids as analog models of gravity: a fruitful synergy of gravity and quantum optics	CARUSOTTO, Iacopo
11:40	[35] FemtoNewton forces and their origin: understanding the LISA Pathfinder performance	SALA, Lorenzo
12:00	[28] Assessing the impact of metallic adhesion on the injection function of a proof mass into a geodesic trajectory	DALLA RICCA, Edoardo
12:20	[25] The verification strategy for the LISA Gravitational Reference System	DAL BOSCO, Davide
12:40	[43] Design and testing of an improved LISA grabbing, positioning and release mechanism	Mr TOMASI, Matteo