GRAvitational-waves Science&technology Symposium

Thursday, 1 March 2018

Development of Enabling Technologies for Gravitational Wave Detectors - Sala degli Anziani (11:10 - 13:00)

time	[id] title	presenter
11:10	[20] Large optics for next generation gravitational wave detectors	Mr DEGALLAIX, Jerome
11:40	[22] LISA Optical Metrology Challenges	PENKERT, Daniel
12:00	[26] The Virgo Coating Collaboration: research lines and preliminary results of a detailed study on thermoelasticity in crystalline materials	LORENZINI, Matteo
12:20	[16] The Virgo Coating Collaboration: a new deposition facility and preliminary results on nano-layered coatings	Dr PRINCIPE, Maria
12:40	[27] Adaptive optics methods in GW interferometric detectors, a perspective	LORENZINI, Matteo

Development of Enabling Technologies for Gravitational Wave Detectors - Sala degli Anziani (14:00 - 16:10)

time	[id] title	presenter
14:00	[32] Quantum noise in the NextG of GW detectors and how to suppress it.	Dr DANILISHIN, Shtefan
14:30	[13] Thermal noise in complex systems	Mrs KROKER, Stefanie
14:50	[24] Status of Kagra and TAMA300 squeezing experiment	Dr LEONARDI, Matteo
15:10	[33] Mode matching for the next generation of Gravitational Wave detectors	Dr PERRECA, Antonio
15:30	[6] Low temperature performances of a monolithic folded pendulum sensor for the third generation of interferometric detectors of gravitational waves	TRAVASSO, Flavio
15:50	[9] SAR-GRAV: the Sardinia Underground Laboratory, a first module for the Einstein Telescope infrastructure	NATICCHIONI, Luca

Friday, 2 March 2018

Development of Enabling Technologies for Gravitational Wave Detectors - Sala Paladin (14:00 - 16:10)

time	[id] title	presenter
14:00	[38] MIGA and ELGAR : towards the observation of low frequency gravitational waves using atom interferometry	Dr BOUYER, Philippe
14:30	[5] Gravitational wave detection using cavity-assisted atom interferometry	Mr DOVALE-ALVAREZ, Miguel
14:50	[30] LISA Pathfinder last results	VETRUGNO, Daniele
15:10	[29] The Free-fall Experiment Results: measuring subfemto-g acceleration noise in LISA Pathfinder and fN force variations on ground with torsion pendulum, in intermittent control mode	RUSSANO, Giuliana
15:30	[12] PETER: a torsion pendulum facility to study small forces/torques on free falling instrumented masses	GARUFI, Fabio
15:50	[14] Archimedes experiment: weighing the vacuum	DE LAURENTIS, Martina