

GRAvitational-waves Science&technology Symposium (GRASS 2019)

Thursday, 24 October 2019

New strategies for quantum noise reduction: QUANT A - Sala Paladini (12:50 - 18:25)

time	[id] title	presenter
12:50	[36] Studies of quantum noise in GW detectors, optomechanical experiments, and axion searches	Dr MARTYNOV, Denis
13:25	[9] Frequency dependent squeezing experiment at TAMA	Dr LEONARDI, Matteo
13:50	[21] Coupled cavity optomechanics	DMITRIEV, Artemii
14:15	[24] Room temperature optomechanical squeezing	AGGARWAL, Nancy
14:40	[6] 6dB of squeezing level at GEO 600	BERGAMIN, Fabio

Friday, 25 October 2019

New strategies for quantum noise reduction: QUANT B - Sala Paladini (11:30 - 13:10)

time	[id] title	presenter
11:30	[29] Improving Gravitational-Wave Detectors with Entangled Light	Dr STEINLECHNER, Sebastian
11:55	[10] EPR experiment for a broadband quantum noise reduction in gravitational wave detectors	SEQUINO , Valeria
12:20	[7] Small scale suspended interferometer for ponderomotive squeezing as test bench for EPR squeezer integration in Advanced Virgo	Dr DI PACE, Sibilla
12:45	[20] Electronic hardware and software development for EPR squeezer	BAWAJ, Mateusz