GWADW2021 Gravitational Wave Advanced Detector Workshop

Tuesday, 18 May 2021

Quantum noise and optical configurations workshop: Hour 1 (23:00 - 23:59)

-Conveners: Sebastian Steinlechner; Martina De Laurentis

time	[id] title	presenter
23:00	[30] Status of the frequency dependent squeezed vacuum source development at TAMA (invited)	ZHAO, Yuhang
23:20	[129] Injection and control of Frequency Dependent Squeezing in Advance Virgo Plus (invited)	Dr SEQUINO, Valeria Dr VARDARO, Marco
23:40	[113] Demonstration of length control for a filter cavity with coherent control sidebands	ARITOMI, Naoki

Wednesday, 19 May 2021

Quantum noise and optical configurations workshop: Hour 2 (00:00 - 01:00)

-Conveners: Sebastian Steinlechner; Martina De Laurentis

time	[id] title	presenter
00:00	[48] Optimizing Interferometer Design for Squeezed Light (invited)	RICHARDSON, Jon
00:20	[173] Quantum noise and optical configurations discussion	

Thursday, 20 May 2021

Quantum noise and optical configurations workshop: Hour 3-4 (06:00 - 08:00)

-Conveners: Sebastian Steinlechner; Martina De Laurentis

time	[id] title	presenter
06:00	[51] A broadband xylophone configuration with sloshing Sagnac interferometers	ZHANG, Teng Dr MIAO, Haixing
06:20	[14] Mitigation of back-scattered light by dual balanced-homodyne readout	SCHNABEL, Roman
06:40	[132] White Light Signal Enhancement	BLAIR, Carl
07:00	[174] Towards broadband quantum noise reduction in GWIs using an atomic noise eater	POLZIK, Eugene
07:20	[56] Optical-parametric signal-amplification for a high-frequency gravitational-wave detector	HARADA, Ken-ichi
07:40	[76] Science case and design considerations for a GW detector in the 10 - 300 kHz band	AGGARWAL, Nancy