



# GWADW2023 - Gravitational-Wave Advanced Detector Workshop

## Friday, 26 May 2023

### Squeezing, Topology, Quantum Information: Ideas for beyond 3G Part 2 (11:00 - 12:30)

-Conveners: Yanbei Chen; Shtefan Danilishin

time	[id] title	presenter
11:00	[6] Squeezed State Amplification To Mitigate Detection Loss	KWAN, Kar Meng
11:18	[39] Proof-of-principle experiment for polarization circulation speed meter	NISHINO, Yohei
11:36	[41] All-optical cascaded coherent quantum noise cancellation	Dr JUNKER, Jonas
11:54	[63] A table-top experiment for implementing EPR conditional squeezing in 2nd and 3rd Generation GW detectors	DE MARCO, Francesco
12:12	[70] Development of a signal amplification system using nonlinear optical effects for next-generation gravitational wave detectors	Mr SUZUKI, Kaido