



# Belgian-Dutch Gravitational Wave Meeting 2022

## Friday, 14 October 2022

### Instrumentation - Vergaderzaal 2.3 August Vermeylen (09:00 - 10:30)

-Conveners: Nick Van Remortel

time	[id] title	presenter
09:00	[43] Mode mismatch in Advanced Virgo: Commissioning for O4 and future prospects with the phase camera	DE ABREU SILVÉRIO CABRITA, Ricardo
09:10	[44] Status of frequency dependent squeezing for AdV+	GUO, Yuefan
09:20	[40] Entanglement Limits in Hybrid Spin-Mechanical GW Detectors	AGASTI, Souvik
09:30	[52] The coatings research lab at Maastricht University	SPAGNUOLO, Viola
09:40	[46] A model for reproducing ice formation in gravitational-wave detectors and studying its impact on thermal noise	IANDOLO, Guido Alex
09:50	[48] Advancements in the Rasnik readout system and applications	KOUSHIK, Anoop Nagesh
10:00	[49] Construction and development of position sensors for seismic attenuators of the ETpathfinder experiment	LI, Pengbo
10:10	[45] OmniSens - Reimagining Seismic Isolation for the Einstein Telescope	HOLLAND, Nathan
10:20	[47] Impact of correlated seismic and correlated Newtonian noise on the Einstein Telescope	JANSSENS, Kamiel Daniel K

### Instrumentation - Vergaderzaal 2.3 August Vermeylen (11:15 - 12:00)

-Conveners: Giacomo Bruno

time	[id] title	presenter
11:15	[51] E-TEST: A compact low-frequency isolator for large cryogenic mirror	Mr SIDER, Ameer
11:25	[54] Leaf-spring suspension of a ultra-high performance vertical inertial sensor used for active seismic isolation	ZEOLI, Morgane
11:35	[50] Development and testing of composite vacuum tubes for Einstein Telescope	REVATHI, Purnalingam
11:45	[42] A first Proof-of-Concept for Gravity-Gradient Noise Mitigation with Spatio-Temporal Neural Networks at the Einstein-Telescope	BERTRAM, David