Session Program

13–14 Oct 2022

Belgian-Dutch Gravitational Wave Meeting 2022

Instrumentation

Het Pand, Vergaderzaal 2.3 August Vermeylen
Onderbergen 1, 9000 Ghent, Belgium

Friday 14 October

09:00

Instrumentation

Session | **Location:** Het Pand, Vergaderzaal 2.3 August Vermeylen, Onderbergen 1, 9000 Ghent, Belgium | **Convener:** Nick Van Remortel

09:00–09:10

Mode mismatch in Advanced Virgo: Commissioning for O4 and future prospects with the phase camera

Speaker
Ricardo De Abreu Silvério Cabrita

09:10–09:20

Status of frequency dependent squeezing for AdV+

Speaker
Yuefan Guo

09:20–09:30

Entanglement Limits in Hybrid Spin-Mechanical GW Detectors

Speaker
Souvik AGASTI

09:30–09:40

The coatings research lab at Maastricht University

Speaker
Viola Spagnuolo

09:40–09:50

A model for reproducing ice formation in gravitational-wave detectors and studying its impact on thermal noise

Speaker
Guido Alex Iandolo

09:50–10:00

Advancements in the Rasnik readout system and applications

Speaker
Anoop Nagesh Koushik

10:00–10:10

Construction and development of position sensors for seismic attenuators of the ETpathfinder experiment

Speaker
Pengbo Li

10:10–10:20

OmniSens - Reimagining Seismic Isolation for the Einstein Telescope

Speaker
Nathan Holland

10:20–10:30

Impact of correlated seismic and correlated Newtonian noise on the Einstein Telescope

Speaker
Kamiel Daniel K Janssens

10:30

11:15

Instrumentation

Session | **Location:** Het Pand, Vergaderzaal 2.3 August Vermeylen, Onderbergen 1, 9000 Ghent, Belgium | **Convener:** Giacomo Bruno

11:15–11:25 **E-TEST: A compact low-frequency isolator for large cryogenic mirror**

Speaker
Mr Ameer Sider

11:25–11:35

Leaf-spring suspension of a ultra-high performance vertical inertial sensor used for active seismic isolation

Speaker
Morgane Zeoli

11:35–11:45

Development and testing of composite vacuum tubes for Einstein Telescope

Speaker
Purnalingam Revathi

11:45–11:55

A first Proof-of-Concept for Gravity-Gradient Noise Mitigation with Spatio-Temporal Neural Networks at the Einstein-Telescope

Speaker
David Bertram

12:00