GWADW2021 Gravitational Wave Advanced Detector Workshop

Tuesday, 18 May 2021

Cryogenics workshop: CE and Voyager (06:00 - 07:20)

-Conveners: Kazuhiro Yamamoto

time	[id] title	presenter
06:00	[87] Realizing Cosmic Explorer 2 with LIGO A+ or Voyager Technology	KUNS, Kevin
06:20	[28] Suspension design for Cosmic Explorer	BISCANS, Sebastien
06:40	[54] Optical Refrigeration for an Optomechanical Amplifier	DRORI, Yehonathan
07:00	[86] Theoretical Effective Emissivity for the LIGO Voyager Test Masses	REIS, Juliedson

Cryogenics workshop: ET (07:20 - 08:40)

-Conveners: Paola Puppo

time	[id] title	presenter
07:20	[29] Cryogenics and Vacuum for the Einstein Telescope project	RICCI, Fulvio
07:40	[20] Outline of cryogenic payload compliance with Einstein Telescope LF	Mr MAJORANA, Ettore
08:00	[134] Cryogenics and water migration in ET pathfinder	BULTEN, Henk
08:20	[31] Helium-based cooling concept of the ET-LF interferometer	BUSCH, Lennard KOROVESHI, Xhesika GROHMANN, Steffen

Wednesday, 19 May 2021

Cryogenics workshop: KAGRA (23:00 - 23:59)

-Conveners: Kazuhiro Yamamoto

time	[id] title	presenter
23:00	[58] The cooling scenario of the KAGRA test mass without condensation on the surface toward to O4	Prof. KIMURA, Nobuhiro
23:20	[23] Reduction of vibration transfer via heat links in KAGRA cryogenic mirror suspension system	YAMADA, Tomohiro
23:40	[62] Recent upgrade of KAGRA cryogenic payload	USHIBA, Takafumi

Thursday, 20 May 2021

Cryogenics workshop: R&D projects (00:00 - 01:00)

-Conveners: Paola Puppo

time	[id] title	presenter
00:00	[60] Optical loss study of the cryogenic molecular layer using a folded cavity for future gravitational-wave detectors	TANIOKA, Satoshi
00:20	[26] Impact on Vacuum Requirements by Cryogenically Cooled Mirrors for Gravitational Wave Detection	SPALLINO, Luisa
00:40	[135] Sorption-based vibration-free cryogenic cooling for ET and ETPathFinder	TER BRAKE, Marcel XHAHI, Arvi HOLLAND, Harry