



# IoP 2022 - Joint APP/HEPP Conference

## Monday, 4 April 2022

### Plenary: Plenary Session (09:45 - 12:45)

-Conveners: Emmanuel Olaiya

time	[id] title	presenter
09:45	[4] Welcome	THOMSON, Mark
10:00	[5] Future Colliders	LAMONT, Mike
10:30	[6] High Intensity Muon Beam Physics	LANCASTER, Mark
11:00	Coffee Break	
11:15	[9] Direct searches for dark matter	PALLADINO, Kimberly
11:45	[7] SM and Higgs at LHC	BUCKLEY, Andy
12:15	[8] Quark Flavour Physics	RADEMACKER, Jonas

### Plenary (16:15 - 18:15)

-Conveners: Stefania Ricciardi

time	[id] title	presenter
16:15	[18] LHC upgrades	PARAMESVARAN, Sudan
16:45	[11] Gamma Ray Astronomy	STARLING, Rhaana
17:15	[19] European R&D Roadmaps	VIVARELLI, Iacopo
17:45	[13] The UK's Net Zero strategy	NURSE, Emily NURSE, Emily

# Tuesday, 5 April 2022

## Plenary (09:00 - 10:30)

-Conveners: Ivana Hristova

time	[id] title	presenter
09:00	[14] Gravitational Wave results from LIGO and Virgo	RAYMOND, Vivien
09:30	[15] Developments in formal theory	WHITE, Chris
10:00	[16] MicroBooNE results and short baseline neutrino experiment summary	UCHIDA, Melissa

## Plenary (13:30 - 15:00)

-Conveners: Pawel Majewski

time	[id] title	presenter
13:30	[17] Neutrino Oscillations Experiments	SOLDNER-REMBOLD, Stefan
14:00	[32] APP Prize 2021: The Structure of Relativistic Jets from Neutron Star Mergers	LAMB, Gavin
14:30	[31] Quantum sensor technology	BONGS, Kai

# Wednesday, 6 April 2022

## Plenary (09:00 - 10:30)

-Conveners: Raja Nandakumar

time	[id] title	presenter
09:00	[27] BSM and dark sector across the board (Theory)	MCCULLOUGH, Matthew
09:30	[28] BSM and dark sector at colliders (Experiment)	ROMPOTIS, Nikolaos
10:00	[29] HEPP Prize 2020 Talk	ALVAREZ CARTELLE, Paula

## Plenary (15:00 - 16:05)

-Conveners: Emma Meehan

time	[id] title	presenter
15:00	[30] Toward the discovery of matter creation with neutrinoless double-beta decay	AGOSTINI, Matteo
15:30	[12] Boulby Underground Laboratory: Status and plans for the UK's deep underground science facility	PALING, Sean
16:00	[451] HEPP committee announcements	MUHEIM, Franz