

# **Monday 5 December**

09:15 **Plenary** Session | Location: Ainsworth Building, G03 | Convener: Prof. Matthew Dolan 09:15-09:30 **Opening** Location Ainsworth Building, G03 09:30-10:00 News from sub-GeV FI(N)Ps Speaker Joerg Jaeckel Location Ainsworth Building, G03 10:00-10:30 Primordial Black Holes as Dark Matter **Speaker** Dr Florian Kühnel Location Ainsworth Building, G03 10:30 11:00 **Plenary** Session | Location: Ainsworth Building, G03 | Convener: Ciaran O'Hare 11:00-11:30 Light sub-GeV dark matter at accelerators Speaker Adam Ritz 11:30-12:00 Status and prospects of dark matter direct detection Speaker Theresa Fruth 12:00-12:30 Dark matter searches in the southern hemisphere Speaker Elisabetta Barberio 12:30

# **Tuesday 6 December**

09:00 **Plenary** Session | Location: Ainsworth Building, G03 | Convener: Prof. Nicole Bell 09:00-09:30 Neutron Star Heating: WIMP DM vs others Speaker Natsumi Nagata 09:30-10:00 Dark matter and dark sectors in stars Speaker Aaron Vincent The light of a Billion Stars: Dark matter and the stellar halo 10:00-10:30 Speaker **Geraint Lewis** 10:30 11:00 Plenary Session | Location: Ainsworth Building, G03 | Convener: Prof. Archil Kobakhidze 11:00-11:30 Lower than freeze-in portal couplings can still generate DM and be measured via **Gravitational Waves** Speaker Alexander Vikman 11:30-12:00 Dark energy, black holes and effective field theory Speaker Shinji Mukohyama 12:00-12:30 Lensing reconstruction of AliCPT-1 Speaker Bin Hu

# **Wednesday 7 December**

09:00 **Plenary** Session | Location: Ainsworth Building, G03 | Convener: Alejandro Ibarra 09:00-09:30 Seeking the mechanism of neutrino mass generation: a brief review Speaker Prof. Raymond Volkas 09:30-10:00 Charting the leptogenesis landscape Speaker Julia Harz 10:00-10:30 Neutrino oscillation experiments Speaker Sunny Seo 10:30 11:00 **Plenary** Session | Location: Ainsworth Building, G03 | Convener: Danny Marfatia 11:00-11:30 Physics potential of CEvNS in the Standard Model and beyond Speaker Valentina De Romeri 11:30-12:00 Supernova neutrinos: probing physics within and beyond the Standard Model Speaker Meng-Ru Wu 12:00-12:30 **Neutrino astronomy** Speaker Jenni Adams

# **Thursday 8 December**

09:00 **Plenary** Session | Location: Ainsworth Building, G03 | Convener: Osamu Seto 09:00-09:30 5D perspectives on the QCD axion Speaker Tony Gherghetta 09:30-10:00 Production of (dark) matter in the early stage of the Universe Speaker Yann MAMBRINI 10:00-10:30 Role of dark Higgs boson in DM physics and Higgs inflation **Speaker** Prof. Pyungwon Ko 10:30 11:00 **Plenary** Session | Location: Ainsworth Building, G03 | Convener: Masahiro Kawasaki 11:00-11:30 Multi-field inflation Speaker Jinn-Ouk Gong 11:30-12:00 Early universe cosmology with the stochastic gravitational wave background Speaker Sachiko Kuroyanagi 12:00-12:30 Cosmic ray boosted dark matter Speaker Prof. Yu-Feng Zhou

# Friday 9 December

09:00 **Plenary** Session | Location: Ainsworth Building, G03 | Convener: Dr Chris Gordon 09:00-09:30 Detection of the Sagittarius Dwarf Spheroidal Galaxy in Gamma-Rays Speaker Roland Crocker 09:30-10:00 High-energy astrophysics with gamma-ray telescopes Speaker Dr Gavin Rowell 10:00-10:30 Improving Theoretical Predictions for Gamma-Ray Signals from Heavy WIMPs Speaker Tracy Slatyer 10:30 11:00 **Plenary** Session | Location: Ainsworth Building, G03 | Convener: Sven Heinemeyer 11:00-11:30 The Universe as a Lab for New Physics Across Cosmic Times Speaker Prof. Cora Dvorkin 11:30-12:00 Dark matter with GAMBIT Speaker Csaba Balazs 12:00-12:30 Has the CMSSM survived Planck, the LHC, Direct and Indirect Detection experiments? Speaker Keith A. Olive