

Tuesday 10 December

14:00 **Standard Model and Beyond** Session | Location: Ainsworth Building, 102 | Convener: Dr Oleg Popov 14:00-14:30 QED 5-loop on the lattice Speaker Ryuichiro Kitano 14:30-14:50 Weak mixing angle at direct detection Speaker Tarak Nath Maity 14:50-15:10 A Full EFT Approach to Radiative Neutrino Mass Speaker James Vandeleur 15:10-15:30 Scale Dependence of Neutrino Mixing Parameters in the Scotogenic Model Speaker Weihang Zhang 15:30-15:50 Extending Global Fits of 4D Composite Higgs Models with Partially Composite Leptons Speaker Kenn Shern Goh 15:50 16:20 **Standard Model and Beyond** Session | Location: Ainsworth Building, 102 | Convener: John Gargalionis 16:20-16:50 Model-independent Extraction of Form Factors and |V_{cb}| in B -> D I nu with hadronic tagging at BABAR Speaker Prof. Gerald Eigen 16:50-17:10 Recent dark sector searches from the BABAR experiment Speaker Steven Robertson 17:10-17:30 Prospects for Long Lived Particle searches with the MATHSULA experiment Speaker Steven Robertson

standard model

Natural supersymmetry without cancellations in the quiver supersymmetric

	Speaker Dr Kenichi Okumura
	17:50-18:10 Beyond the Standard Model with Geometric Quantization
18:10	Speaker Tom McClain

Thursday 12 December

14:00 **Standard Model and Beyond** Session | Location: Ainsworth Building, 102 | Convener: Dr Otari Sakhelashvili 14:00-14:30 Bellell excess & Muon g-2 illuminating Light DM with Higgs Portal Speaker Dr Jongkuk Kim 14:30-14:50 Dark gauge mediated supersymmetry breaking by a massless dark photon Speaker Yechan Kim 14:50-15:10 Cosmological implications of radiative electroweak symmetry breaking theories Speaker Kepan Xie 15:10-15:30 Non-Holomorphic Modular \$\mathcal{A}_4\$ Symmetric Scotogenic Model Speaker Dr Oleg Popov 15:30-15:50 Axion Quality, Clockwork & Extra Dimensions Speaker

Marko Beocanin

15:50