

Session Program

27 June 2022

Fourth Sydney meeting

Talks

Old Main Building, G59/G60
UNSW

Monday 27 June

14:00

Talks

Session | Location: Old Main Building, G59/G60, UNSW

14:00–14:20	Cosmology Constraints from the CMB lensing Minkowski functionals Speaker Yuqi Kang
14:20–14:40	Measuring V_{ub} at Belle II with semileptonic B-meson decays Speaker Nadia Toutounji
14:40–15:00	Searching for primordial tensor modes across small and large scales Speaker Ameek Malhotra
15:00–15:05	The Search for Beyond Standard Model Top-Philic Resonances via Graph Neural Networks Speaker Thomas Nommensen
15:05–15:10	Graph Neural Networks: The next tool to uncover the Top quark Speaker Anthony Little
15:10–15:15	The Measurement of $R(\pi)$ at Belle II Speaker Andre Hao Yuan Huang
15:15–15:20	Complete symmetry breaking in the mirror universe Speaker Alix Crowe
15:20–15:25	Domain walls and the companion axion model Speaker Pavadol Yamsiri
15:25–15:30	Effects of the EWPT on production of keV-mass sterile neutrinos Speaker Tomer Libman
15:30–15:50	Introductions

15:50

16:30

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16:30–16:50	Gauge theories: a journey through the uncanny
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Speaker

Daniel Collison

16:50-17:10

From axions to ALPs: dark matter and substructure**Speaker**

Giovanni Pierobon

17:10-17:30

Quantum Anomalies: one classical theory, multiple quantum models**Speaker**

Murdock Geoffrey Grewar

17:30-17:50

Beyond the Standard Model explanations of the Muon g-2 anomaly**Speaker**

Douglas Jacob

17:50