

Fourth Sydney meeting

Report of Contributions

Contribution ID: 29

Type: **not specified**

Introduction to neutrino physics

Monday 27 June 2022 09:00 (1 hour)

Presenter: SCHMIDT, Michael (UNSW Sydney)

Session Classification: Lectures

Contribution ID: **30**

Type: **not specified**

Physics at Belle II

Monday 27 June 2022 10:50 (1 hour)

Presenter: Prof. VARVELL, Kevin (University of Sydney (AU))

Session Classification: Lectures

Contribution ID: 31

Type: **not specified**

Cosmology Constraints from the CMB lensing Minkowski functionals

Monday 27 June 2022 14:00 (20 minutes)

Presenter: KANG, Yuqi

Session Classification: Talks

Contribution ID: 32

Type: **not specified**

Measuring $|V_{ub}|$ at Belle II with semileptonic B-meson decays

Monday 27 June 2022 14:20 (20 minutes)

Presenter: TOUTOUNJI, Nadia

Session Classification: Talks

Contribution ID: 33

Type: **not specified**

Searching for primordial tensor modes across small and large scales

Monday 27 June 2022 14:40 (20 minutes)

Presenter: MALHOTRA, Ameet

Session Classification: Talks

Contribution ID: 34

Type: **not specified**

Complete symmetry breaking in the mirror universe

Monday 27 June 2022 15:15 (5 minutes)

Presenter: CROWE, Alix

Session Classification: Talks

Contribution ID: 35

Type: **not specified**

Introductions

Monday 27 June 2022 15:30 (20 minutes)

Session Classification: Talks

Contribution ID: 36

Type: **not specified**

From axions to ALPs: dark matter and substructure

Monday 27 June 2022 16:50 (20 minutes)

Presenter: PIEROBON, Giovanni

Session Classification: Talks

Contribution ID: 37

Type: **not specified**

Gauge theories: a journey through the uncanny

Monday 27 June 2022 16:30 (20 minutes)

Presenter: COLLISON, Daniel

Session Classification: Talks

Contribution ID: **38**

Type: **not specified**

Quantum Anomalies: one classical theory, multiple quantum models

Monday 27 June 2022 17:10 (20 minutes)

Presenter: GREWAR, Murdock Geoffrey

Session Classification: Talks

Contribution ID: 39

Type: **not specified**

Beyond the Standard Model explanations of the Muon $g-2$ anomaly

Monday 27 June 2022 17:30 (20 minutes)

Presenter: JACOB, Douglas (Monash University)

Session Classification: Talks

Contribution ID: 40

Type: **not specified**

Domain walls and the companion axion model

Monday 27 June 2022 15:20 (5 minutes)

Presenter: YAMSIRI, Pavadol

Session Classification: Talks

Contribution ID: 43

Type: **not specified**

Graph Neural Networks: The next tool to uncover the Top quark

Monday 27 June 2022 15:05 (5 minutes)

Presenter: LITTLE, Anthony (University of Sydney)

Session Classification: Talks

Contribution ID: 44

Type: **not specified**

Effects of the EWPT on production of keV-mass sterile neutrinos

Monday 27 June 2022 15:25 (5 minutes)

Presenter: LIBMAN, Tomer

Session Classification: Talks

Contribution ID: 45

Type: **not specified**

The Search for Beyond Standard Model Top-Philic Resonances via Graph Neural Networks

Monday 27 June 2022 15:00 (5 minutes)

Presenter: NOMMENSEN, Thomas (University of Sydney (AU))

Session Classification: Talks

Contribution ID: 46

Type: **not specified**

The Measurement of $R(\pi)$ at Belle II

Monday 27 June 2022 15:10 (5 minutes)

Presenter: HUANG, Andre Hao Yuan

Session Classification: Talks