

Session Program

17-21 Jul 2023



31st International Symposium on Lepton Photon Interactions at High Energies

Dark Matter

Monash University

Tuesday 18 July

15:45

Dark Matter: Room E

Session | Location: Monash University

15:45-16:00

Dark SHINE—A newly proposed fixed-target experiment at the SHINE facility in Shanghai

Speaker

Shu Li

16:00-16:15

Recent dark-sector and tau physics results at Belle II

Speaker

Savino Longo

16:15-16:30

Recent Dark Matter related searches with the BABAR detector

Speaker

Xinchou Lou

16:30-16:45

Dark matter and strong SUSY searches from CMS

Speaker

Varun Sharma

16:45-17:00

Searches for Dark Matter with the ATLAS Experiment at the LHC

Speaker

James Frost

17:00-17:15

Status of, and first data from, the milliQan Run 3 Detector

Speaker

Chris Hill

17:15-17:30

Dark sector and Axion-like particle search at BESIII

Speaker

Vindhyawasini Prasad

17:30

Wednesday 19 July

09:00

Dark Matter: Room E

Session | **Location:** Monash University | **Convener:** Dr Peter Cox

09:00–09:15

Resolving the DAMA Debate: Dark Matter Search using NaI(Tl) detectors beyond DAMA

Speaker

Govinda Adhikari

09:15–09:30

LZ status

Speaker

Theresa Fruth

09:30–09:45

Search for dark matter induced event rate modulation in DarkSide-50 ionization signal

Speaker

Masato Kimura

09:45–10:00

Inelastic nuclear scattering of neutrinos and dark matter

Speaker

Jayden Newstead

10:00–10:15

CYGNUS-Oz: Australian R&D for a future CYGNUS network of directional dark matter detectors

Speaker

Lachlan McKie

10:15–10:30

Precise predictions and new insights for atomic ionisation from the Migdal effect

Speaker

Prof. Matthew Dolan

10:30–10:45

Probing new physics at the LUXE experiment

Speaker

Thomas Schoerner-Sadenius

10:45

Thursday 20 July

14:30

Dark Matter

Session | **Location:** Monash University | **Convener:** Dr Irene Bolognino

14:30-15:00 **The SABRE experiment**

Speaker

Elisabetta Barberio

15:00-15:30 **Theoretical perspective on Dark Matter searches**

Speaker

Prof. Nicole Bell

15:30-16:00 **Liquid Xenon Dark Matter searches**

Speaker

Kai Martens

16:00