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 Searches for Dark Matter with the ATLAS Experiment at the LHC 16:45-17:00 Speaker James Frost Status of, and first data from, the milliQan Run 3 Detector 17:00-17:15 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(TI) 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

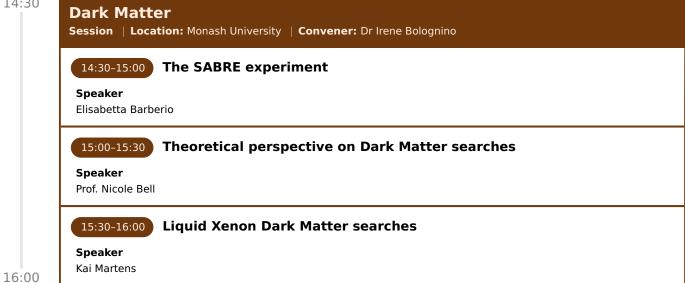
Speaker

Thomas Schoerner-Sadenius

10:45

Thursday 20 July

14:30



3