

Monday 25 August

14:00

Dark Matter and Its Detection: parallel session 1A

Session | Location: Conference Room F2-R1 | Convener: Ning Zhou

14:00-14:20 WIMP results from XENONnT with 3.1 tonne × year of exposure

Speaker

Maxime Pierre

14:20-14:40 Results from and Status of the LUX-ZEPLIN Experiment

Speaker

Amy Cottle

14:40-15:00 Search for light dark matter with PandaX-4T

Speaker

minzhen zhang

15:00-15:20 XLZD status

Speaker

Masaki Yamashita

15:20-15:40 Science prospects of the XLZD experiment

Speaker

Knut Dundas Morå

15:40 14:00

Dark Matter and Its Detection: parallel session 1B

Session | **Location:** Conference Room F2-R2

14:00-14:20 Dark Photon Dark Matter Detection with Radio Telescopes

Speaker

Jia Liu

14:20-14:40

Searching for Axion-Like Particles with X-ray Observations of Alpha Centauri

Speaker

Yue-Lin Sming Tsai

14:40-15:00 Dark photons and axion-like particles at the Electron-Ion Collider

Speaker

Teng Ma

15:00-15:20 Getting the most on SN axions

Speaker

Alessandro Lella

15:20-15:40 Beyond the simplest strongly interacting dark matter

Speaker

xiaoyong chu

16:00

Dark Matter and Its Detection: parallel session 2A

Session | Location: Conference Room F2-R1 | Convener: Roberto Santorelli

16:00-16:20

General overview of the DarkSide-20k experiemnt at LNGS: status and goals

Speaker

Walter Bonivento

16:20-16:40

Dark Matter Search in DEAP-3600: Recent Results and Future Prospects

Speaker

Shawn Westerdale

16:40-17:00

ALETHEIA: Hunting for low-mass dark matter with liquid helium-filled TPCs

Speaker

Liao Junhui

17:00-17:20

The SABRE South Experiment at the Stawell Underground Physics Laboratory

Speaker

Suerfu Burkhant

17:20-17:40 The SABRE North project at Gran Sasso Laboratory

Speaker

Aldo Ianni

17:40-18:00 Recent Results from the COSINE-100 Experiment

Speaker

Insoo Lee

18:00-18:20

Strong Constraints on the DAMA/LIBRA Modulation Signal from ANAIS-112

Speaker

Maria Martinez

18:20

16:00

Dark Matter and Its Detection: parallel session 2B

Session | Location: Conference Room F2-R2 | Convener: wei chao

16:00-16:20

Constraints on Strongly-Interacting Dark Matter from the James Webb Space Telescope

Speaker

Peizhi Du

16:20-16:40

Illuminating Very Heavy Dark Matter in the Earth with Tau Neutrinos

Speaker

Qinrui Liu

16:40-17:00 Boosted dark matter from semi-annihilations in the galactic center

Speaker

Takashi Toma

17:00-17:20 Probing MeV Dark Matter Via Solar Reflection

Speaker

Mr Haoming Nie

17:20-17:40 Boosted Dark Matter Directionality in Large Liquid Scintillators

Speaker

Samuel S.H. Tse

17:40-18:00

Many-body atomic response functions for sub-GeV dark matter-electron

Speaker

Prof. Cheng-Pang Liu

Tuesday 26 August

14:00

Dark Matter and Its Detection: parallel session 3A

Session | Location: Conference Room F2-R1 | Convener: Ziqing Hong

14:00-14:20 The SuperCDMS SNOLAB experiment

Speaker

Dr Emanuele Michielin

14:20-14:40 Towards the deployment of DAMIC-M: status and latest results

Speaker

Michelangelo Traina

14:40-15:00 Search for light dark matter with CRESST-III

Speaker

Paolo Gorla

15:00-15:20

Scientific Prospects and Technical Innovations in the CDEX-50 Experiment

Speaker

Shin Ted Lin

15:20-15:40

The Direct Search Experiment for Light Dark Matter (DELight): Overview and **Perspectives**

Speaker

Melih Solmaz

15:40 14:00

Dark Matter and Its Detection: parallel session 3B

Session | Location: Conference Room F2-R2 | Convener: Yongcheng Wu

14:00-14:20 SUSY Dark Matter at the LHC?!

Speaker

Sven Heinemeyer

14:20-14:40

A Unified Framework for Dwarf Galaxy Cores and Cluster Substructure Cusps via Self-Interacting Dark Matter with Mass Segregation

Speaker

Daneng Yang

Lensing signatures of self-interacting dark matter halos: an analytic approach

Speaker

Siyuan Hou

15:00-15:20 3-Dimensional WIMP Effective Velocity Distribution

Speaker

Chung-Lin SHAN

15:20-15:40

Charged lepton flavor violating light Dark Matter and muonium invisible decay

Speaker

Sahabub Jahedi

15:40 16:00

Dark Matter and Its Detection: parallel session 4A

Session | Location: Conference Room F2-R1 | Convener: Shin Ted Lin

16:00-16:20

Search of light Dark Matter with TESSERACT experiment at Laboratoire Souterrain de Modane

Speaker

Paul Vittaz

16:20-16:40 The PICO-40L Dark Matter Search

Speaker

William Woodley

16:40-17:00

The CYGNO experiment, a Gaseous TPC for directional Dark Matter searches

Speaker

Davide Fiorina

17:00-17:20 Overview of the Axion Dark Matter experiment

Speaker

Dan Zhang

17:20-17:40

The MADMAX experiment: First dark matter constraints and the road ahead

Speaker

Juan Pablo Arcila Maldonado

17:40-18:00

Background simulation for the dark matter search experiment CRESST

Speaker

Valentyna Mokina

18:00-18:20

Investigating Ultra-Low Energy Ionization Yield from Nuclear Recoils in **Semiconductor Detectors via Molecular Dynamics Simulations**

Speaker

Mr Chang-Hao Fang

Wednesday 27 August

14:00

Dark Matter and Its Detection: parallel session 5A

Session | Location: Conference Room F2-R1 | Convener: Yi Wang

14:00-14:20

Searches for Light Dark Matter with DarkSide-20k and DarkSide-LowMass

Speaker

Masayuki Wada

14:20-14:40

BULLKID-DM: searching for light WIMP with monolithic arrays of detectors

Matteo Folcarelli

14:40-15:00

DarQ experiment - Wave-like dark matter searches using superconducting qubits

Speaker

Shion Chen

15:00-15:20 **DAREDEVIL**

Speaker

andrea Melchiorre

15:20-15:40

Search for Dark Sector Particles at a Nuclear Reactor from the NEON Experiment

Speaker

Hyunsu Lee

15:40 14:00

Dark Matter and Its Detection: parallel session 5B

Session | Location: Conference Room F2-R2 | Convener: Xiaojun Bi

14:00-14:20

IceCube's Sensitivity Prospects to MeV-Scale Axion-Like Particles from Core-**Collapse Supernovae**

Speaker

Nora Valtonen-Mattila

14:20-14:40

WISP Searches on a Fiber Interferometer under Strong Magnetic Field

Speaker

Josep Maria Batllori Berenguer

14:40-15:00

Search for Dark Matter spectral lines around the Galactic Centre with CTAO LST-1

Speaker

Tomohiro Inada

15:00-15:20 Understanding the Origin of Cosmic-Ray Electrons and Positrons

Speaker

Shanglin Li

15:20-15:40

Search for Cosmic-Ray Antinuclei from Dark Matter with the GAPS Antarctic **Balloon Mission**

Speaker

Prof. Mengjiao Xiao

15:40 16:00

Dark Matter and Its Detection: parallel session 6A

Session | Location: Conference Room F2-R1 | Convener: Masaki Yamashita

16:00-16:20

Search for Light Dark Matter with XENONnT

Speaker

Shenyang Shi

16:20-16:40

Sub-keV dark photon search with S2-only data in PandaX4T

Speaker

Dr Shuaijie Li

16:40-17:00

Search for new physics in low energy electron recoil signals in LZ WS2022+2024 combined dataset

Speaker

YONGHENG XU

17:00-17:20

Searching for MeV-scale Axion-like Particles and Dark Photons with PandaX-4T

Speaker

Tao Li

17:20-17:40

Search for axions and other new physics signals with PandaX-4T

Speaker

xiaopeng Zhou

17:40-18:00

First Search for Ultralight Dark Matter Using a Magnetically Levitated Particle

Speaker

Chris Tunnell

18:00-18:20

Search for Dark Matter with Levitated Ferromagnetic Spin Sensor

Speaker

Wei Ji

18:20 16:00

Dark Matter and Its Detection: parallel session 6B

Session | Location: Conference Room F2-R2

16:00-16:20 Progress of the COSINE-100U experiment

Speaker

Doohyeok Lee

16:20-16:40

Advanced NaI detectors for Dark Matter search and other applications: the ANAIS+ project

Speaker

Maria Martinez

16:40-17:00

Dark matter annual modulation analysis with combined nuclear and electron recoil channels

Speaker

Dr Manoj Kumar Singh

17:00-17:20

First cryogenic SiPM readout of a NaI(TI)-based dark matter detector with the ASTAROTH project

Speaker

Davide D'Angelo

17:20-17:40

Pulse Shape Discrimination Measurement of CsI(TI) Scintillator with Green-Extended Photocathode PMTs

Speaker

Sedong Park

17:40-18:00

Scintillation Characteristics of an Undoped CsI Crystal with SiPM Readout for Dark Matter Detection

Speaker

Wonkyung Kim

18:00-18:20

The event discrimination in the bulk region of the point-contact germanium detector

Speaker

Renmingjie Li

Thursday 28 August

14:00

Dark Matter and Its Detection: parallel session 7B

Session | Location: Conference Room F2-R2 | Convener: Masayuki Wada

14:00-14:20 First Direct Observation of Migdal Effect in Neutral Projectiles

Speaker

Difan Yi

14:20-14:40

Characterization of argon recoils at the keV scale with ReD and ReD+

Speaker

Luciano Pandola

14:40-15:00

Determination of the sensitivity of the DEAP-3600 experiment to supermassive charged gravitinos

Speaker

Michal Olszewski

15:00-15:20 Electronic Recoils in Xenon Detectors Induced by Solar Neutrinos

Speaker

CHIH-PAN WU

15:20-15:40

First observation of positron emission decay of Xe-125 in a noble liquid detector from the LUX-ZEPLIN Experiment

Speaker

Miguel Hernandez

15:40 16:00

Dark Matter and Its Detection: parallel session 8B

Session | Location: Conference Room F2-R2 | Convener: Junhui Liao

16:00-16:20

Search for Dark Matter ALPs Through Photon Couplings in Atomic Systems

Speaker

Ms Greeshma Chandrabhanu

16:20-16:40

Cryogenic Underground TEst facility at SNOLAB: Infrastructure and Latest Results

Speaker

Ziqing Hong

16:40-17:00 Status and Prospects of Kamioka Cryolab

Speaker

Suerfu Burkhant

17:00-17:20 A Tonne-scale Demonstrator of The DarkSide-20k Inner Detector

Speaker

Ako Jamil

17:20-17:40 Veto Development for the PandaX Experiment

Speaker
Junting Huang

17:40-18:00

Spectral Features of Argon Light Emission for Next-Generation Rare Event
Detectors

Speaker
Roberto Santorelli

18:00-18:20 Low-energy Yttrium-Beryllium calibration in XENONnT

Speaker

18:20

Shengchao Li