

GUINEAPIG Workshop on Light Dark Matter



Report of Contributions

Contribution ID: 1

Type: **not specified**

Theory Priors in the Search for Light Dark Matter

Thursday, 8 September 2022 09:15 (30 minutes)

Presenter: BLINOV, Nikita (U Victoria)

Session Classification: Motivation and Cosmology of Light Dark Matter

Contribution ID: 2

Type: **not specified**

Light Dark Matter Through the Ages

Thursday, 8 September 2022 09:45 (30 minutes)

Presenter: HEEBA, Saniya (McGill University)

Session Classification: Motivation and Cosmology of Light Dark Matter

Contribution ID: 3

Type: **not specified**

Discussion

Thursday, 8 September 2022 10:15 (30 minutes)

Session Classification: Motivation and Cosmology of Light Dark Matter

Contribution ID: 4

Type: **not specified**

The SuperCDMS Experiment at SNOLAB

Thursday, 8 September 2022 11:00 (30 minutes)

Presenter: MICHELIN, Emanuele (TRIUMF/UBC)

Session Classification: Direct Searches for Light Dark Matter

Contribution ID: 5

Type: **not specified**

NEWS-G: early results and future prospects

Thursday, 8 September 2022 11:30 (30 minutes)

Presenter: GROS, Philippe (Queen's University)

Session Classification: Direct Searches for Light Dark Matter

Contribution ID: 6

Type: **not specified**

Discussion

Thursday, 8 September 2022 12:00 (30 minutes)

Session Classification: Direct Searches for Light Dark Matter

Contribution ID: 7

Type: **not specified**

Searching for light dark matter wiith DAMIC and DAMIC-M

Thursday, 8 September 2022 13:30 (30 minutes)

Presenter: CHAVARRIA, Alvaro (University of Washington)

Session Classification: Direct Searches for Light Dark Matter

Contribution ID: 8

Type: **not specified**

Light Dark Matter Search with the Scintillating Bubble Chamber

Thursday, 8 September 2022 14:00 (30 minutes)

Presenter: CLARK, Ken (Queen's U/TRIUMF)

Session Classification: Direct Searches for Light Dark Matter

Contribution ID: 9

Type: **not specified**

SENSEI: An Ultrasensitive Search for Sub-GeV Dark Matter

Thursday, 8 September 2022 14:30 (30 minutes)

Presenters: BOTTI, Ana Martina (Fermilab); SCORZA, Silvia (SNOLAB)

Session Classification: Direct Searches for Light Dark Matter

Contribution ID: **10**

Type: **not specified**

Discussion

Thursday, 8 September 2022 15:00 (30 minutes)

Session Classification: Direct Searches for Light Dark Matter

Contribution ID: 11

Type: **not specified**

Multiphonon Excitations in Dark Matter Direct Detection

Friday, 9 September 2022 11:00 (30 minutes)

Presenter: LIN, Tongyan (UC San Diego)

Session Classification: New Directions for LDM Detection

Contribution ID: 12

Type: **not specified**

New directions in eV-scale phonon sensing

Friday, 9 September 2022 11:30 (30 minutes)

Presenter: KURINSKY, Noah (SLAC)

Session Classification: New Directions for LDM Detection

Contribution ID: 13

Type: **not specified**

Discussion

Friday, 9 September 2022 12:00 (30 minutes)

Session Classification: New Directions for LDM Detection

Contribution ID: 14

Type: **not specified**

Welcome to TRIUMF

Friday, 9 September 2022 09:00 (15 minutes)

Presenter: SMITH, Nigel (TRIUMF)

Contribution ID: 15

Type: **not specified**

Opening Remarks

Thursday, 8 September 2022 09:00 (15 minutes)

Contribution ID: **16**

Type: **not specified**

Discussion

Saturday, 10 September 2022 12:00 (30 minutes)

Session Classification: New Directions for LDM Detection

Contribution ID: 17

Type: **not specified**

Closeout

Contribution ID: 18

Type: **not specified**

Astrophysical Uncertainties in Dark Matter-Electron Scattering Experiments

Saturday, 10 September 2022 09:15 (30 minutes)

Presenter: YU, Tien-Tien (University of Oregon)

Session Classification: New Directions for LDM Detection

Contribution ID: 19

Type: **not specified**

Development of new techniques for low-mass dark matter detection

Saturday, 10 September 2022 09:45 (30 minutes)

Presenter: BAXTER, Daniel (Fermilab)

Session Classification: New Directions for LDM Detection

Contribution ID: 20

Type: **not specified**

Design and testing of a monoenergetic 24 keV neutron source for calibration of low threshold dark matter detectors

Saturday, 10 September 2022 11:00 (30 minutes)

Presenter: MCKINSEY, Daniel (UC Berkeley)

Session Classification: New Directions for LDM Detection

Contribution ID: 21

Type: **not specified**

Organic scintillator crystals for sub-GeV daily modulation searches

Friday, 9 September 2022 09:45 (30 minutes)

Presenter: KAHN, Yonatan (University of Illinois)

Session Classification: New Directions for LDM Detection

Contribution ID: 22

Type: **not specified**

SNOLAB Facility and Science

Friday, 9 September 2022 09:15 (30 minutes)

Presenter: HALL, Jeter (SNOLAB)

Session Classification: New Directions for LDM Detection

Contribution ID: 23

Type: **not specified**

Discussion

Friday, 9 September 2022 10:15 (30 minutes)

Session Classification: New Directions for LDM Detection

Contribution ID: 24

Type: **not specified**

Qubit performance meets low-mass dark matter searches

Saturday, 10 September 2022 11:30 (30 minutes)

Presenter: ORRELL, John (Pacific Northwest National Laboratory)

Session Classification: New Directions for LDM Detection

Contribution ID: 25

Type: **not specified**

Discussion

Saturday, 10 September 2022 10:15 (30 minutes)

Session Classification: New Directions for LDM Detection

Contribution ID: 26

Type: **not specified**

EDI Panel

Friday, 9 September 2022 13:30 (1 hour)

Why EDI Matters; and How Do We Encourage it within Collaborations?

Presenters: KWIATKOWSKI, Anna (TRIUMF); CADEN, Erica (SNOLAB); SINERVO, Pekka (University of Toronto)

Session Classification: Why EDI Matters; and How Do We Encourage it within Collaborations?

Contribution ID: 27

Type: **not specified**

EDI resources collected by Alexandra Pedersen (McDonald Institute)

Friday, 9 September 2022 14:30 (30 minutes)

Session Classification: Why EDI Matters; and How Do We Encourage it within Collaborations?

Contribution ID: 28

Type: **not specified**

Discussion

Friday, 9 September 2022 15:00 (30 minutes)

Session Classification: Why EDI Matters; and How Do We Encourage it within Collaborations?