

## **Session Program**

**29 March 2023 to 1 April 2023**

## **UCLA Dark Matter 2023**

### ***SESSION 10: Direct Detection: status of liquid/gas WIMP detectors (CHAIR: Alvine Kamaha -UCLA)***

UCLA, PAB- 1-425

UCLA Department of Physics and Astronomy 475 Portola Plaza, Los Angeles, CA 90095

## Thursday 30 March

07:30

### SESSION 10: Direct Detection: status of liquid/gas WIMP detectors (CHAIR: Alvine Kamaha -UCLA)

Session |

Location: UCLA, PAB- 1-425, UCLA Department of Physics and Astronomy 475 Portola Plaza, Los Angeles, CA 90095

07:30–07:45

#### Recent progress and plan of PandaX experiment

**Speaker**

Ning Zhou

07:45–08:00

#### The NEWS-G light Dark Matter search experiment: Physics results from a 10 day exposure with pure methane gas

**Speaker**

Mr Daniel Durnford

08:00–08:15

#### Recent developments of the PICO dark matter detectors

**Speaker**

Colin Moore

08:15–08:30

#### Dark Matter search results from the LUX-ZEPLIN (LZ) Experiment

**Speaker**

Dr Maria Elena Monzani

08:30–08:45

#### XENONnT: first WIMP search results

**Speaker**

Luca Grandi

08:45–09:00

#### DarkSide-20k: The Next Stage in the Direct Dark Matter Search Using Liquid Argon

**Speaker**

Thomas Nathan Thorpe

09:00–09:15

#### Dark matter search in DEAP-3600: results and prospects

**Speaker**

Dr Michela Lai

09:15–09:30

#### DARWIN and the Future of Liquid Xenon Dark Matter Detectors

**Speaker**

Abigail Kopec

09:30–09:45

#### New constraints on ultra heavy dark matter from the LUX-ZEPLIN (LZ) experiment

**Speaker**

Ibles Olcina Samblas

09:45