

Session Program

29 March 2023 to 1 April 2023

UCLA Dark Matter 2023

SESSION 14: Direct detection: Technical Development-2 (CHAIR: Rafael Lang - Purdue University)

UCLA, PAB- 1-425

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

Friday 31 March

17:00

SESSION 14: Direct detection: Technical Development-2 (CHAIR: Rafael Lang - Purdue University)

Session |

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

17:00-17:15

Migdal Search in LUX-ZEPLIN Dark Matter Experiment

Speaker

Jeanne Bang

17:15-17:30

Experimental result on measuring the Migdal effect with neutron-induced nuclear recoils at the keV level in liquid xenon

Speaker

Dr Jingke Xu

17:30-17:45

Phonon-mediated kinetic inductance detectors for sub-GeV dark matter searches

Speaker

Osmond Wen

17:45-18:00

Results from the KDK experiement

Speaker

Philippe Di Stefano

18:00-18:15

The innovative Underground Argon Project: the path from procurement to purification for search of Dark Matter

Speaker

Federico Gabriele

18:15-18:30

A crystalline xenon TPC to reach the neutrino detection limit

Speaker

Hao Chen

18:30-18:45

Update from the Scintillating Bubble Chamber (SBC) Collaboration

Speaker

Prof. Eric Dahl

18:45-19:00

A Strategy for Low-Mass Dark Matter Searches with Cryogenic Detectors in the SuperCDMS SNOLAB Facility

Speaker

Sunil Golwala

19:00