

Session Program

24-27 Mar 2025

UCLA Dark Matter 2025

SESSION 15: Direct detection: Technical Development-2 & Scientific Development

UCLA Physics and Astronomy Building 1-425
475 Portola Plaza, Los Angeles, CA 90095 darkmatter@physics.ucla.edu

Wednesday 26 March

08:00

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Session |

Location: UCLA Physics and Astronomy Building 1-425, 475 Portola Plaza, Los Angeles, CA 90095
darkmatter@physics.ucla.edu

08:00–08:15

The Search for the Migdal Effect and the Modeling of Nuclear Recoil with DD Neutrons in LUX-ZEPLIN (LZ) Experiment

Speaker

Mr Chen Ding

08:15–08:30

DarkNESS: probing dark matter from Low Earth Orbit with skipper-CCDs

Speaker

Dr Nathan Saffold

08:30–08:45

CrystaLiZe: Dark Matter Detection and Beyond with Crystal Xenon

Speaker

Scott Kravitz

08:45–09:00

Leveraging Quantum Sensors for Dark Matter Detection

Speaker

Daniel Baxter

09:00–09:15

The new Cryolab at Kamioka

Speaker

Maurice Garcia-Sciveres

09:15–09:30

EXCESS backgrounds observed in low-threshold dark matter and CEvNS experiments

Speaker

Florian Reindl

09:30–09:45

Searching for dark matter near and under the noise and backgrounds

Speaker

Xinran Li

09:45