

## **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](mailto:darkmatter@physics.ucla.edu)

# Wednesday 26 March

08:00

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

**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