

Session Program

29 March 2023 to 1 April 2023

UCLA Dark Matter 2023

SESSION 13: Direct detection: Technical Development-1 (CHAIR: Chamkaur Ghag - University College London)

UCLA, PAB- 1-425

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

Friday 31 March

15:00

SESSION 13: Direct detection: Technical Development-1 (CHAIR: Chamkaur Ghag - University College London)

Session |

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

15:00-15:15

Background Determination for the LUX-ZEPLIN Experiment

Speaker

Amy Cottle

15:15-15:30

The XENONnT Neutron Veto

Speaker

Marco Selvi

15:30-15:45

Radon mitigation strategies for current and future liquid xenon detectors

Speaker

Florian Jörg

15:45-16:00

From Photoelectrons to Bytes in DarkSide-20k

Speaker

Andrea Capra

16:00-16:15

First measurement of discrimination between helium and electron recoils in liquid xenon as a means for detecting sub-GeV dark matter (HydroX)

Speaker

Scott Haselschwardt

16:15-16:30

Superconducting Nanowire Single Photon Detectors for Dark Matter Detection

Speaker

Matthew Shaw

16:30