

Session Program

25-28 Mar 2020

UCLA Dark Matter 2020 Conference

Session 13

UCLA, PAB- 1-425

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

Friday 27 March

13:30

Session 13: Direct Detection Technical Developments

Session |

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

13:30-13:45

Dark Matter Search with SuperCDMS eV-resolution Device

Speaker

Mr Yen-Yung Chang

13:45-14:00

Light detection in DarkSide-20k

Speaker

Luigi Pio Rignanesi

14:00-14:15

Scintillation yield from electronic and nuclear recoils in superfluid helium-4

Speaker

Junsong Lin

14:15-14:30

Background Modeling in the LUX Detector for an Effective Field Theory Dark Matter Search

Speaker

Gregory Rischbieter

14:30-14:45

The Design and Construction of the LUX-ZEPLIN (LZ) Experiment

Speaker

Dr Dev Ashish Khaitan

14:45-15:00

Discrimination of electron recoils from nuclear recoils in two-phase xenon time projection chambers

Speaker

Vetri Velan

15:00-15:15

Analysis of High Energy Events and Neutrinoless Double Beta Decay in XENON1T

Speaker

Chiara Capelli

15:15-15:30

Searching for dark matter with PICO bubble chambers

Speaker

Guillaume Giroux

15:30-15:45

Novel Charge Readouts for a CYGNUS-10 Directional Detector at Boulby

Speaker

Prof. Spooner Neil

15:45-16:00

Ultra-high radio-pure NaI(Tl) crystal growth for the SABRE experiment**Speaker**

Aldo Aldo Ianni

16:00-16:15

The LUX experiment: review of the recent data analysis progress**Speaker**

Quentin Riffard

16:15-16:30

DArT in ArDM, a new detector to measure ultra-low radioactive-isotope contamination of argon**Speaker**

Dr Pablo Garcia Abia

16:30