

Session Program

Jul 22 - 27, 2018



IDM 2018

2.3 Direct Detection

MacMillian, 117
Brown University Providence, Rhode Island, USA

Tue, July 24

2:00 PM

2.3 Direct Detection

Session | **Location:** MacMillian, 117, Brown University Providence, Rhode Island, USA | **Convener:** Richard Schnee

14:00 - 14:20 **The future PICO programme**

Speaker
Carsten Krauss

14:20 - 14:40

A combined energy scale for WIMP searches in liquid argon with the DarkSide-50 detector

Speaker
Luca Pagani

14:40 - 15:00 **DARWIN - The Ultimate WIMP Detector**

Speaker
Dr Fabian Kuger

15:00 - 15:20

Sub-GeV Dark Matter Results from a Single Electron-Hole-Pair SuperCDMS Detector

Speaker
Dr Noah Kurinsky

15:20 - 15:40

Results on sub-GeV dark matter direct detection with LUX Run 3 data by using Bremsstrahlung and Migdal-effect signal

Speaker
Junsong Lin

15:40 - 16:00 **The Spin-independent analysis of one tonne-year of XENON1T data**

Speaker
Knut Morå

4:00 PM