

# **DMUK 2021 Meeting**



## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Welcome

*Tuesday, 16 November 2021 10:00 (10 minutes)*

**Presenter:** MCCABE, Christopher (KCL)

Contribution ID: 2

Type: **not specified**

## Status of the LZ experiment

*Tuesday, 16 November 2021 10:10 (25 minutes)*

**Presenter:** FRUTH, Theresa (UCL)

Contribution ID: 3

Type: **not specified**

## **The DarkSide-20k experiment**

*Tuesday, 16 November 2021 10:35 (25 minutes)*

**Presenter:** AGNES, Paolo

Contribution ID: 4

Type: **not specified**

## **Status of the NEWS-G experiment**

*Tuesday, 16 November 2021 11:00 (25 minutes)*

**Presenter:** NIKOLOPOULOS, Kostas

Contribution ID: 5

Type: **not specified**

# Levitated Quantum Optomechanical Sensors for Dark Matter Detection

*Tuesday, 16 November 2021 11:25 (15 minutes)*

**Presenter:** ALDER, Fiona

Contribution ID: 6

Type: **not specified**

## **Ultra-Light Scalar Dark Matter Searches with AION**

*Tuesday, 16 November 2021 11:40 (15 minutes)*

**Presenter:** BADURINA, Leonardo (KCL)

Contribution ID: 7

Type: **not specified**

## **Status of Primordial Black Holes as Dark Matter**

*Tuesday, 16 November 2021 13:00 (25 minutes)*

**Presenter:** GREEN, Anne



Contribution ID: 8

Type: **not specified**

## **Constraints on Planck-scale mass dark matter**

*Tuesday, 16 November 2021 13:40 (15 minutes)*

**Presenter:** KEMP, Ashlea

Contribution ID: 9

Type: **not specified**

## **Stasis in an Expanding Universe**

*Tuesday, 16 November 2021 13:25 (15 minutes)*

**Presenter:** HEURTIER, Lucien

Contribution ID: **10**

Type: **not specified**

## **The MIGDAL experiment**

*Tuesday, 16 November 2021 14:20 (15 minutes)*

**Presenter:** MARLEY, Tim

Contribution ID: **11**

Type: **not specified**

## **XenonFutures**

*Tuesday, 16 November 2021 13:55 (25 minutes)*

**Presenter:** KRAUS, Hans

Contribution ID: 12

Type: **not specified**

## **PAAP Roadmap update**

*Tuesday, 16 November 2021 14:35 (20 minutes)*

**Presenter:** BURDIN, Sergey

Contribution ID: 13

Type: **not specified**

## **Update from the Boulby Underground Laboratory**

*Tuesday, 16 November 2021 15:30 (20 minutes)*

**Presenter:** SCOVILLE, Paul

Contribution ID: 14

Type: **not specified**

## **Compact neutron sources at NILE, the new Neutron Irradiation Laboratory for Electronics**

*Tuesday, 16 November 2021 15:50 (20 minutes)*

**Presenter:** CAZZANIGA, Carlo

Contribution ID: 15

Type: **not specified**

## **Ultra-Pure Copper Electroforming for Background Suppression in Rare-Event Searches**

*Tuesday, 16 November 2021 16:10 (15 minutes)*

**Presenter:** KNIGHTS, Patrick



Contribution ID: 16

Type: **not specified**

## **Fuelling the search for light dark matter–electron scattering**

*Tuesday, 16 November 2021 16:25 (15 minutes)*

**Presenter:** HAMAIDE, Louis

Contribution ID: 17

Type: **not specified**

## **Enhancing signal/background discrimination using novel likelihood evaluation in noble element detectors**

*Tuesday, 16 November 2021 16:40 (15 minutes)*

**Presenter:** JAMES, Robert

Contribution ID: **18**

Type: **not specified**

## **Radon emanation**

*Tuesday, 16 November 2021 16:55 (15 minutes)*

**Presenter:** PERRY, Emily

Contribution ID: 19

Type: **not specified**

## **DMUK and sustainability**

*Tuesday, 16 November 2021 17:10 (15 minutes)*

**Presenter:** GHAG, Chamkaur