

Session Program

22 September 2022

DMUK

Session 2 (early pm)

Blackett Laboratory, Imperial College London, Lecture Theatre 2 (Level 1)
Prince Consort Road, London SW7 2AZ

Thursday 22 September

13:00

Session 2 (early pm): Quantum sensors for dark matter

Session |**Location:** Blackett Laboratory, Imperial College London, Lecture Theatre 2 (Level 1), Prince Consort Road, London SW7 2AZ |**Convener:** Dr Christopher McCabe

13:00–13:20

An update on Quantum Sensing for the Hidden Sector

Speaker

Ed Daw

13:20–13:40

A new search for dark matter axions using quantum technologies

Speaker

Jack Devlin

13:40–14:00

QUEST-DMC: Simulation studies for the detection of sub-GeV dark matter with a superfluid ^3He calorimeter.

Speaker

Paolo Franchini

14:00–14:20

BREAD: Broadband Reflector Experiment for Axion Detection

Speaker

Jesse Liu

14:20–14:40

AION: the Atom Interferometer Observatory and Network

Speaker

Richard Hobson

14:40–15:00

Dark matter searches using levitated optomechanics

Speaker

Robert S James

15:00