

Session Program

7 January 2025

DMUK Meeting January 2025 - KCL

Morning session 1

King's College London

Tuesday 7 January

09:50

Morning session 1

Session | **Location:** Bush House (South Wing), Lecture Theatre 2 (4.04) | **Convener:** Christopher McCabe

09:50-10:00 **Welcome**

Speakers

Christopher McCabe, Dr Jim Dobson, Prof. Malcolm Fairbairn

10:00-10:20 **Light dark matter constraints using astrophysical neutrinos**

Speaker

Dr Teppei Katori

10:20-10:40 **Science opportunities with long-baseline atom interferometry**

Speakers

Dr Jeremiah Mitchell, Jeremiah Mitchell

10:40-10:55

Massive graviton dark matter searches with long-baseline atom interferometers

Speaker

John Carlton

10:55-11:15 **Directional dark matter searches with levitated quantum sensors**

Speaker

Fiona Alder

11:15