

**Session Program**

**21-25 Jul 2025**

**PASCOS 2025**

***Phenomenology for Future Experiments***

Durham

## Tuesday 22 July

16:00

### Phenomenology for Future Experiments

**Session** | **Location:** CLC013

16:00–16:20

**Detecting Ultralight Dark Matter with Matter Effect****Speaker**

Xucheng Gan

16:20–16:40

**Direct detection of sub-GeV dark matter: a theoretical search for optimal detector materials****Speaker**

Michał Iglicki

16:40–17:00

**Benchmarking dark matter candidates in the 2HDMS: Prospects for future colliders****Speaker**

Julia Ziegler

17:00–17:20

**Ultralight dark matter searches with trapped-ion interferometry****Speaker**

Leonardo Badurina

17:20–17:40

**Dark matter detection with atomic spectroscopy****Speaker**

Jack Shergold

17:40–18:00

**Monopoles at future neutrino detectors****Speaker**

Pablo Muñoz Candela

18:00–18:20

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18:20