

Session Program

15-18 Jul 2024

XIV NExT PhD Workshop: the shape of new physics to come

Student talks

Cosener's House
15-16 Abbey Cl Abingdon OX14 3JD UK

Monday 15 July

16:30

Student talks

Session | **Location:** Cosener's House, 15-16 Abbey Cl Abingdon OX14 3JD UK

16:30–16:50

Listening for ultra-heavy dark matter using underwater acoustic sensors

Speaker

Damon Cleaver

16:50–17:10

Non-decoupling scalars at future detectors

Speaker

Graeme Crawford

17:10–17:30

The Double Copy: A Duality for Particles and Gravity

Speaker

Kymani Armstrong-Williams

18:30

Wednesday 17 July

17:30

Student talks

Session | **Location:** Cosener's House, 15-16 Abbey Cl Abingdon OX14 3JD UK

17:30–17:50

Search For Boosted Light Higgs Bosons From Supersymmetric Cascade Decays

Speaker

Mehrnoosh Moallemi

17:50–18:10

Primordial Black hole relics as Dark matter candidate

Speaker

Amirah Saeed M. Aljazeera

18:10–18:30

Spherically symmetric Einstein-aether gravity

Speaker

Mr Arthur Yi-Hsiung Hsu

18:30–18:50

Using Machine Learning to Identify Carbon-rich and Oxygen-rich AGB Stars in Our Galaxy

Speaker

Tanya Kushwahaa

19:00

Thursday 18 July

11:30

Student talks

Session | **Location:** Cosener's House, 15-16 Abbey Cl Abingdon OX14 3JD UK

11:30–11:50

Underlying Event Tuning for VINCIA

Speaker

Baris Tuncay

11:50–12:10

Low energy electron recoil searches within LZ and using FlameNEST for future work

Speaker

Harkirat Riyat

12:30