

Session Program

19 April 2025

**PIKIMO 18, University of Kentucky, 19 April
2025**

***Afternoon contributed talks (chairperson S.
Gardner)***

Chemistry Physics (CP) Building , 153
506 Library Drive, Lexington KY 40506 (CP 153 faces the blocked-off continuation of Rose St.)

Saturday 19 April

14:30

Afternoon contributed talks (chairperson S. Gardner)

Session |

Location: Chemistry Physics (CP) Building , 153, 506 Library Drive, Lexington KY 40506 (CP 153 faces the blocked-off continuation of Rose St.)

14:30–15:00

New Physics from Light Scalars in Rare Kaon Decay

Speaker

Rahul Pradeep

15:00–15:30

The $Z \alpha^2$ order radiative correction to nuclear beta decays

Speaker

Zehua Cao

15:30–16:00

Electron EDM and $\Gamma(\mu \rightarrow e\gamma)$ in the 2HDM

Speaker

Daniil Volkov

16:00–16:30

The Fermi Function, Factorization and the Neutron's Lifetime

Speaker

Peter Vander Griend

16:30–16:40

BREAK

16:40–17:05

Primordial black holes and induced gravitational waves from an underdamped axion-like curvaton

Speaker

Dr Sai Chaitanya Tadepalli

17:05–17:30

Direct detection of ultralight dark matter with charged lepton flavor violation

Speaker

Tony Menzo

17:30