

**Session Program**

**23-26 May 2024**

**The Mitchell Conference on Collider, Dark  
Matter, and Neutrino Physics 2024**

***Neutrino***

Mitchell Institute, Texas A&M University, Hawking Auditorium

# Friday 24 May

14:00

## Neutrino

**Session** | **Location:** Mitchell Institute, Texas A&M University, Hawking Auditorium | **Convener:** Zahra Tabrizi

14:00–14:25

### Novel Neutrino Self-interaction Can Save Sterile Neutrino Dark Matter

**Speaker**

Prof. Yue Zhang

14:25–14:50

### New Physics Opportunities at Tau Neutrino Experiments

**Speaker**

Prof. Seodong Shin

14:50–15:15

### Matter Effect on the Flavor Composition of Astrophysical Neutrinos

**Speaker**

Bhupal Dev

15:15–15:40

### Probing New Physics with Double Beta Decay

**Speaker**

Prof. Frank F Deppisch

15:40