

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