

**Session Program**

**23-26 May 2024**

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

***Gravitational Wave, Phase Transition***

Mitchell Institute, Texas A&M University, Hawking Auditorium

# Thursday 23 May

16:10

## Gravitational Wave, Phase Transition

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

**16:10-16:35**    **BSM Physics with Future Gravitational Wave Detectors**

**Speaker**  
Kuver Sinha

**16:35-17:00**    **Dark Matter in the Time of Gravitational Waves**

**Speaker**  
Tao Xu

**17:00-17:25**    **Multi-Messenger Probes of First-Order Phase Transitions**

**Speaker**  
Cash Hauptmann

**17:25-17:50**    **Collider and gravitational wave signals for electroweak phase transition**

**Speaker**  
Dorival Gonçalves

17:50