Session Program

23–26 May 2024

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

Collider: Machine Learning, Quantum Information

Mitchell Institute, Texas A&M University, Hawking Auditorium

Wednesday 22 May

09:00

Collider: Machine Learning, Quantum Information

Session | **Location:** Mitchell Institute, Texas A&M University, Hawking Auditorium | **Convener:** Prof. Joel Walker

09:00–09:25

Phenomenlogy of b-associated TeV scale scalar production with baryon-number violation in $t\phi$ final states at the LHC

Speaker

Denis Rathjens

09:25–09:50 **Beyond Kinematics for Optimal Hadronic Top Quark Polarimetry**

Speaker

Zhongtian Dong

09:50–10:15

Testing quantum entanglement and violation of the Bell inequality from the top-quark decay at the LHC

Speaker

Tao Han

10:15