

Session Program

6 October 2018

6th PIKIO Meeting

Afternoon

University of Notre Dame
Eck Visitors Center, Notre Dame, Indiana

Saturday 6 October

14:30

Afternoon: Session 1

Session | **Location:** University of Notre Dame, Eck Visitors Center, Notre Dame, Indiana

14:30-14:45 **Relic Density of Scalar Dark Matter via an RS Graviton Portal**

Speaker

Dr Dennis Foren

14:45-15:00

An R-parity Violating Supersymmetric Explanation of the EeV Events at ANITA

Speaker

Dr Yicong Sui

15:00-15:15

Phenomenological Consequences of Producing Fermions During Inflation

Speaker

Dr Lauren Pearce

15:15-15:30

Determining the Majorana nature of neutrino through patterns of nucleon-antinucleon oscillation and conversion processes

Speaker

Dr Xinshuai Yan

15:30-15:45

Enhancing Long-lived particles searches at the LHC with precision timing information

Speaker

Dr Jia Liu

15:45-16:00

Fitting a_{μ} and B physics anomalies by adding $U(1)'$ and Vector-like 4th family to the Standard Model

Speaker

Dr Stuart Raby

16:00

16:30

Afternoon: Session 2

Session | **Location:** University of Notre Dame, Eck Visitors Center, Notre Dame, Indiana

16:30-16:45

Top-bottom-tau Yukawa unification in the MSSM with a vector-like family

Speaker

Dr Navin McGinnis

16:45-17:00

Understanding recent collider excesses in light of light Higgs bosons

Speaker

Dr Evan Johnson

17:00-17:15

Improving limits on a simplified model of dark matter

Speaker

Dr Kirtimaan Mohan

17:15-17:30

Light (and darkness) from a light hidden Higgs

Speaker

Dr Keping Xie

17:30-17:45

Perturbative limits in the U(1) and the left-right models and implications for searches of heavy gauge bosons

Speaker

Dr Garv Chauhan

17:45-18:00

Clockworking FIMPs

Speaker

Dr Dipan Sengupta

18:00