

**Session Program**

**28 February 2019 to 2 March 2019**

**PITT PACC Workshop: BSM circa 2020**

***Talk***

# Thursday 28 February

09:00

## Talk

**Session** | **Location:** Wyndham Pittsburgh University Center, Carnegie Room

09:00–09:45 **Higgsino DM from Natural SUSY**

**Speaker**

Antonio Delgado

09:45–10:30 **Boosting New Physics Searches with Machine Learning**

**Speaker**

David Shih

10:30

11:00

## Talk

**Session** | **Location:** Wyndham Pittsburgh University Center, Carnegie Room

11:00–11:45 **Motivations and search prospects for vectorlike leptons**

**Speaker**

Stephen Martin

11:45–12:30 **EDM Constraints on Higgs CP Violation**

**Speaker**

Joachim Brod

12:30

14:30

## Talk

**Session** | **Location:** Wyndham Pittsburgh University Center, Carnegie Room

14:30–15:15 **New physics through precision measurements?**

**Speaker**

Sara Lynn Dawson

15:15–16:00 **Higgspllosion**

**Speaker**

Valentin V Khoze

16:00

16:30

## Talk

**Session** | **Location:** Wyndham Pittsburgh University Center, Carnegie Room

16:30–17:15 **On the New Physics Scale**

**Speaker**

Pavel Fileviez Perez

17:15

# Friday 1 March

09:00

## Talk

**Session** | **Location:** Wyndham Pittsburgh University Center, Carnegie Room

09:00–09:45

### Cosmological Modifications of QCD

#### Speaker

Tim M.P. Tait

09:45–10:30

### Threshold Effects in Dark Matter Phenomenology

#### Speaker

Ian Low

10:30

11:00

## Talk

**Session** | **Location:** Wyndham Pittsburgh University Center, Carnegie Room

11:00–11:45

### New approaches to Naturalness

#### Speaker

Anson Hook

11:45–12:30

### Direct Detection of Composite Dark Matter

#### Speaker

Dorota Grabowska

12:30

14:30

## Talk

**Session** | **Location:** Wyndham Pittsburgh University Center, Carnegie Room

14:30–15:15

### FASER

#### Speaker

Jonathan Lee Feng

15:15–16:00

### BSM at neutrino facilities

#### Speaker

Dr Yue Zhang

16:00

16:30

## Talk

**Session** | **Location:** Wyndham Pittsburgh University Center, Carnegie Room

16:30–17:15

### BSM at fixed targets

#### Speaker

Gordan Krnjaic

17:15

## Saturday 2 March

09:00

### Talk

**Session** | **Location:** Wyndham Pittsburgh University Center, Carnegie Room

09:00–09:45

#### Gravitational Waves: a new window onto the Dark and Early Universe

**Speaker**

Dr Djuna Croon

09:45–10:30

#### Searching for Dark Photon Dark Matter with Gravitational Wave Detectors

**Speaker**

Prof. Yue Zhao

10:30

11:00

### Talk

**Session** | **Location:** Wyndham Pittsburgh University Center, Carnegie Room

11:00–11:45

#### Supersymmetry, Hidden Sectors and Baryogenesis

**Speaker**

Aaron Pierce

11:45–12:30

#### Baryogenesis

**Speaker**

Ann Nelson

12:30