

## Session Program

24-26 May 2021



PHENO 2021  
AFTER WINTER COMES SPRING

Latest topics in Particle Physics  
and related issues in  
Astrophysics and Cosmology

[indico.cern.ch/e/pheno21](http://indico.cern.ch/e/pheno21)

May 24-26, 2021  
(Virtual)  
University of Pittsburgh

**Organizers:**  
Brian Batell      Tao Han (chair)  
Benjamin Carlson      Adam Leibovich  
Ayres Freitas      Cedric Weiland  
Joni George      Keping Xie  
Akshay Ghoshal

**Program Advisors:**  
Vernon Barger      Vittorio Paolone  
Lisa Everett      Tilman Plehn  
Kaoru Hagiwara      Vladimir Savinov  
JoAnne Hewett      Xuesi Tata  
Tao Min Hong      Andrew Zentner  
Arthur Kotwicky      Dieter Zeppenfeld  
James Mueller

## Phenomenology 2021 Symposium

### *BSM IV*

University of Pittsburgh  
Pittsburgh, PA 15260

# Monday 24 May

16:30

## BSM IV

Session | Location: | Convener: Ian Lewis

16:30–16:45 **New spin 0 physics from TeV to THz**

**Speaker**

Jesse Liu

16:45–17:00

**Complementary exploring low mass vector dark matter, dark photon and dark Z'**

**Speaker**

Dr Raymundo Ramos

17:00–17:15

**Searching for dark gauge bosons in next-generation neutrino experiments**

**Speaker**

Doojin Kim

17:15–17:30

**Disentangling SMEFT operators with future low-energy PVES experiments**

**Speaker**

Daniel Wiegand

17:30–17:45

**Hints of Light New Physics at XENON1T and Muon g-2 Experiments**

**Speaker**

Tessio Melo

17:45–18:00

**Model-independent considerations of dark sectors**

**Speaker**

Rashmish Mishra

18:00–18:15

**Searching for soft leptons in compressed spectra with a Boosted Decision Tree**

**Speakers**

Alyssa Horne, Mr Marcus Snedeker

18:15–18:30

**Recent Results of Dark Sector Searches with the BaBar Experiment**

**Speaker**

Bertrand Echenard

18:30