



# PHENOXI 2021

## AFTER WINTER COMES SPRING

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

[indico.cern.ch/event/112021](http://indico.cern.ch/event/112021)

May 26-28, 2021  
(Virtual)

University of Pittsburgh

**Organizers:**  
 Brian Baud  
 Benjamin Calvert  
 James Davies  
 Jon George  
 Andrew Giamberini

**Topic Chairs:**  
 Tao Han (chair)  
 Adam Lubwinski  
 Colin Wilford  
 Keping Xu

**Program Advisory:**  
 Vincent Bagge  
 Lisa Everett  
 Karen Hagmann  
 Michael Hufschmidt  
 Tim Maithey  
 Arifur Raeswary  
 James Smith

**Visiting Packages:**  
 Thomas Plehn  
 Vladimir Smirnov  
 Sergey Tulin  
 Andrew Zaitsev  
 Dieter Zeppenfeld


Type: **BSM**

*Tuesday 25 May 2021 14:30 (15 minutes)*

We also show the potential of the HL-LHC to either verify or exclude the anomalous  $Zb\bar{b}$  couplings observed at LEP through measuring the  $Zh$  production rate at the HL-LHC, and this conclusion is not sensitive to possible new physics contribution induced by top quark or Higgs boson anomalous couplings in the loop.

**Session Classification:** BSM III