

## Session Program

17-21 Jul 2023



# 31st International Symposium on Lepton Photon Interactions at High Energies

***BSM***

Monash University

# Tuesday 18 July

09:00

## BSM

**Session** | **Location:** Monash University | **Convener:** Prof. Ben Allanach

09:00–09:30 **SMEFT status from a theoretical perspective**

**Speaker**

Rick Gupta

09:30–10:00 **Direct searches for BSM resonances**

**Speaker**

Mingshui Chen

10:00–10:30 **NP searches in an EFT context**

**Speaker**

Valentina Cairo

10:30

11:00

## BSM

**Session** | **Location:** Monash University | **Convener:** Prof. Ben Allanach

11:00–11:30 **New Physics Opportunities at HL-LHC and Beyond**

**Speaker**

Zhen Liu

11:30

15:45

## BSM: Room C

**Session** | **Location:** Monash University | **Convener:** Claudia Hagedorn

15:45–16:00 **Recent results on VBS measurements at CMS**

**Speaker**

Li Yuan

16:00–16:15

**Searches for supersymmetric particles with prompt decays with with the ATLAS detector**

**Speaker**

John Kenneth Anders

16:15–16:30

**Search for new physics with long-lived and unconventional signatures in CMS**

**Speaker**

Daniel Diaz

16:30–16:45

**Searching for new symmetries in the Higgs sector at ATLAS**

**Speaker**

Yanlin Liu

16:45–17:00

**Leptoquark searches at CMS**

**Speaker**  
Ben Kilminster

17:00–17:15 **Measurement of multiboson production at ATLAS**

**Speaker**  
Walter Hopkins

17:30

# Wednesday 19 July

09:00

## BSM: Room C

**Session** | **Location:** Monash University | **Convener:** Valentina Cairo

09:00–09:15 **Phenomenology of low-scale seesaw with flavour and CP symmetries**

**Speaker**

Claudia Hagedorn

09:15–09:30 **Vector boson scattering measurements in ATLAS**

**Speaker**

Shu Li

09:30–09:45

**Searches for electroweak SUSY and compressed SUSY spectra from CMS**

**Speaker**

Harjot Kaur

09:45–10:00

**Searches for additional scalars with two photons in the final state at CMS**

**Speaker**

Junquan Tao

10:00–10:15

**Searches for new physics in CMS in events with jets, leptons and photons in the final state**

**Speaker**

Andrew Evan Hart

10:15–10:30

**Searches for BSM resonances in ATLAS**

**Speaker**

Makayla Vessella

10:30–10:45

**Probing the nature of electroweak symmetry breaking with Higgs boson pairs in ATLAS**

**Speaker**

Yu Nakahama Higuchi

11:00