

Session Program

3-7 Jun 2024



12th Edition of the Large Hadron Collider Physics Conference

BSM-2 Feeble Interactions

Boston, USA
Northeastern University, Boston, USA

Monday 3 June

14:00

BSM-2 Feeble Interactions

Session | **Location:** ISEC Room 138 | **Conveners:**
Federico Meloni, Laura Jeanty, Carlos Vazquez Sierra, Simon Marte J Knapen, David Sperka

14:00–14:18 **Theory of light BSM particles at the LHC**

Speaker
Andrea Thamm

14:18–14:36 **Search for low-mass axion-like particles at LHCb**

Speaker
Blaise Raheem Delaney

14:36–14:54 **Recent results on prompt searches in ATLAS**

Speaker
Nicola De Biase

14:54–15:12 **Recent results on prompt searches in CMS**

Speaker
Carlos Francisco Erice Cid

15:12–15:30 **Recent results on light mediators searches in ATLAS**

Speaker
Zirui Wang

15:30

Thursday 6 June

14:00

BSM-2 Feeble Interactions

Session | **Location:** ISEC Room 142 | **Conveners:**

Federico Meloni, David Sperka, Laura Jeanty, Simon Knapen, Carlos Vazquez Sierra

14:00–14:18

FIPs and other BSM phenomena for small LHC experiments

Speaker

Dr Yu-Dai Tsai

14:18–14:36

FASER results on BSM physics

Speaker

Charlotte Cavanagh

14:36–14:54

Theory overview on dark showers

Speaker

Christiane Scherb

14:54–15:12

Recent results on dark sectors in CMS

Speaker

Chad Wells Freer

15:12–15:30

Recent results on dark sectors in ATLAS

Speaker

Sebastien Roy-Garand

15:30

Friday 7 June

11:00

BSM-2 Feeble Interactions: BSM1 + BSM2

Session | **Location:** ISEC Room 102 | **Conveners:**

David Sperka, Simon Knapen, Laura Jeanty, Simon Knapen, Dr José Francisco Zurita, Johan Bonilla, Carlos Vazquez Sierra, Federico Meloni, Oliver Stelzer-Chilton

11:00–11:18

Heavy Neutral Leptons: Theoretical Overview

Speaker

Juraj Klaric

11:18–11:36

HNLs at CMS

Speaker

Leonardo Lunerti

11:36–11:54

HNLs at LHCb

Speaker

Louis Henry

11:54–12:12

HNLs at ATLAS

Speaker

Gareth Bird

12:30

14:00

BSM-2 Feeble Interactions

Session | **Location:** ISEC Room 102 | **Conveners:**

Simon Knapen, Laura Jeanty, Federico Meloni, Carlos Vazquez Sierra, David Sperka

14:00–14:18

Theory overview on long-lived particles

Speaker

Elias Bernreuther

14:18–14:36

Recent results on LLPs in ATLAS

Speaker

Ismet Siral

14:36–14:54

Recent results on LLPs with hadronic final states in CMS

Speaker

Raphael Julien Haberle

14:54–15:12

Recent results on LLPs from displaced vertices in ATLAS

Speaker

Cristiano Sebastiani

15:12–15:30

Recent results on LLPs with (semi)leptonic final states in CMS

Speaker

Anna Mascellani

15:30