

## Session Program

Sep 25 – 28, 2023



# axions++ 2023

## *HEP - Phenomenology*

LAPTh, Auditorium Vivargent  
9 chemin de Bellevue Annecy-le-Vieux 74940 ANNECY

## Thu, September 28

9:00 AM

### HEP - Phenomenology

Session | Location: LAPTh, Auditorium Vivargent, 9 chemin de Bellevue Annecy-le-Vieux 74940 ANNECY

9:00 – 9:30 AM **EFT aspects of axions and other light particles**

**Speakers**

Maria Ramos, Maria Ramos

9:30 – 10:00 AM **Constraining ALP couplings using SMEFT-interference**

**Speaker**

Anne Mareike Galda

10:00 – 10:20 AM **Axion effective action**

**Speaker**

Dr Pham Ngoc Hoa Vuong

10:20 AM

10:50 AM

### HEP - Phenomenology

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10:50 – 11:10 AM **Axion-photon coupling from lattice QCD**

**Speaker**

José Javier Hernández Hernández

11:10 – 11:30 AM **Shift-Invariant Orders of an Axionlike Particle**

**Speaker**

Jonathan Kley

11:30 – 11:50 AM **How to Measure the Spin of Dark Matter in  $e^+ e^- \rightarrow \gamma + X$**

**Speaker**

Sofie Nordahl Erner

11:50 AM – 12:10 PM **King Fits: Global bounds on light new physics from isotope shifts**

**Speakers**

Fiona Kirk, Fiona Kirk

12:10 PM