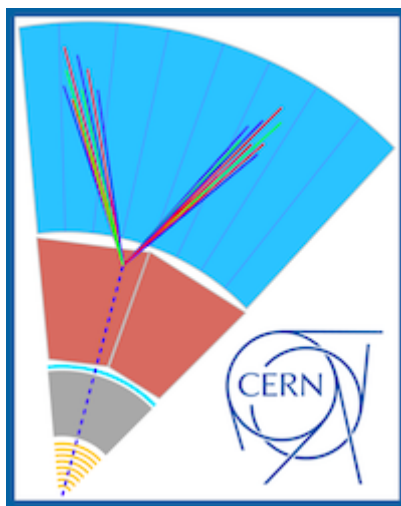


Session Program

19-23 Jun 2023



Searching for long-lived particles at the LHC and beyond: Thirteenth workshop of the LLP Community

New ideas in LLP phenomenology

CERN, 4/3-006 - TH Conference Room

Tuesday 20 June

13:00

New ideas in LLP phenomenology: Session 1

Session | **Location:** CERN, 40/S2-A01 - Salle Anderson | **Conveners:** Audrey Kvam, Dr José Francisco Zurita

13:00–13:20

Measuring lepton number violation at colliders

Speaker

Jan Hajer

13:20–13:40

Reinterpretation of searches of LLPs from meson decays

Speaker

Rebeca Beltran

13:40–14:00

Heavy neutral lepton searches in cosmic ray beam dump experiments

Speaker

Baibhab Pattnaik

14:00–14:20

Simplified framework for long-lived particles at neutrino facilities

Speaker

Wenjie Huang

14:20–14:40

Emerging jet probes of exotic Higgs decays

Speaker

Juliana Carrasco

14:40

15:10

New ideas in LLP phenomenology: Session 2

Session | **Location:** CERN, 40/S2-A01 - Salle Anderson | **Conveners:** Mason Proffitt, Dr José Francisco Zurita

15:10–15:30

Updating bounds on R-parity-violating supersymmetry with a long-lived light bino

Speaker

Martin Schürmann

15:30–15:50

Long-lived ALPs in top final states

Speaker

Lovisa Rygaard

15:50–16:10

Light scalars at FASER

Speaker

Wei Su

16:10–16:30

Vectorlike leptons and long-lived bosons at the LHC

Speaker

Elias Bernreuther

16:30

Friday 23 June

10:00

New ideas in LLP phenomenology: Session 3

Session | **Location:** CERN, 40/S2-C01 - Salle Marie Skłodowska-Curie | **Conveners:** Juliette Alimena, Louis Henry

10:00–10:20

Exploiting exotic LHC datasets for long-lived new particle searches

Speaker

Jan Hajer

10:20–10:40

Testing neutrino dipole portal with long-lived particle detectors at the LHC

Speaker

Wei Liu

10:40

11:10

New ideas in LLP phenomenology: Session 4

Session | **Location:** CERN, 40/S2-C01 - Salle Marie Skłodowska-Curie | **Conveners:** Juliette Alimena, Louis Henry

11:10–11:30

Can we discover lepton number violation with LHC far detectors?

Speaker

Zeren Simon Wang

11:30–11:50

Environmentally aware displaced vertices

Speakers

Clare Burrage, Spyros Argyropoulos

11:50