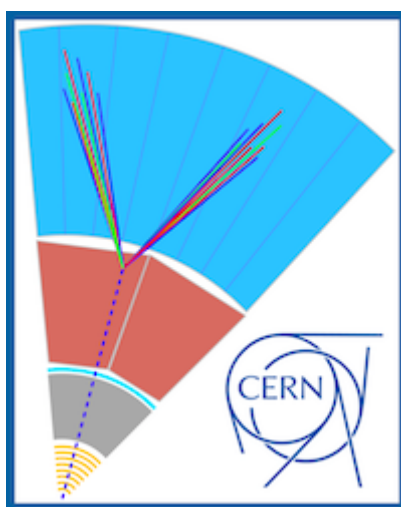


Session Program

25-28 May 2021



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

Lightning round / new ideas

Virtually, worldwide

Wednesday 26 May

17:45

Lightning round / new ideas: New results from ATLAS and CMS, in detail

Session | **Location:** Virtually, worldwide | **Conveners:** Federico Leo Redi, Matthew Daniel Citron

17:45–17:57 **Stopped particles with ATLAS**

Speaker

Stefanie Morgenstern

17:57–18:09 **Neutral Long-lived Particles Decaying in the CSCs with CMS**

Speaker

Christina Wenlu Wang

18:09–18:21 **Disappearing tracks with ATLAS**

Speaker

Toshiaki Kaji

18:21–18:33

Higgs boson decays to long-lived scalar particles in associated Higgs boson production with CMS

Speaker

Daniel Diaz

18:33–18:45

Search for exotic decays of the Higgs boson to long-lived particles using displaced vertices in the ATLAS inner detector

Speaker

Jackson Carl Burzynski

18:45–18:57 **Scouting for displaced di-muon resonances with CMS**

Speaker

Hardik Routray

18:57

Thursday 27 May

14:00

Lightning round / new ideas

Session | **Location:** Virtually, worldwide | **Conveners:** Nishita Desai, Juliette Alimena

14:00–14:12

Dark photon from scalar boson decays at FASER

Speaker

Takashi Shimomura

14:12–14:24

Long-lived light neutralinos at Belle II

Speaker

Zeren Simon Wang

14:24–14:36

Triggering on Emerging Jets

Speaker

Dylan Linthorne

14:36–14:48

Searching for a sterile neutrino that mixes predominantly with ν_τ at B factories

Speaker

Nicolas Neill

14:48

18:15

Lightning round / new ideas

Session | **Location:** Virtually, worldwide | **Conveners:** Katherine Pachal, Carlos Vazquez Sierra

18:15–18:27

Perturbative benchmark models for a dark shower search program

Speaker

Dr Jessie Shelton

18:27–18:39

A Displaced Fat Jet Signature at LHeC

Speaker

ROJALIN PADHAN

18:39–18:51

Quasistable charginos in ultraperipheral proton-proton collisions at the LHC

Speaker

Evgenii Zhemchugov

18:51–19:03

Modeling exotic Higgs decays to vector bosons with displaced dimuons in the final states

Speaker

Tamer Elkafrawy

19:15

Friday 28 May

14:00

Lightning round / new ideas

Session | **Location:** Virtually, worldwide | **Conveners:** Katherine Pachal, Dr José Francisco Zurita

14:00–14:12

Probing naturally light singlets with a displaced vertex trigger

Speaker

Dr Diego Redigolo

14:12–14:24

Probing the early universe with displaced new physics at colliders

Speaker

Sam Junius

14:24–14:36

Displaced Vertex signatures of a pseudo-Goldstone sterile neutrino

Speaker

Dr Anibal Medina

14:36–14:48

Portal Effective Theories: A framework for the model independent description of light hidden sector interactions

Speakers

Philipp Klose, Philipp Mauritz Klose

14:48

18:05

Lightning round / new ideas

Session | **Location:** Virtually, worldwide | **Conveners:** Juliette Alimena, Sascha Mehlhase

18:05–18:17

GAZELLE - a new long-lived particle detector for Belle II?

Speaker

Ruth Schäfer

18:17–18:29

Model-independent probes of hidden sectors

Speaker

Rashmish Mishra

18:29–18:41

Detecting long-lived multi-charged particles in neutrino mass models with MoEDAL

Speaker

Rafal Maselek

18:41–18:53

Long-lived $b\bar{s} \rightarrow \nu\bar{\nu}$ at the LHC

Speaker

Seyda Ipek

18:53–19:05

Leptogenesis across the electroweak scale

Speaker

Yannis Georis

19:05