BPS Parallel Session "Fundamental Interactions, Nuclear and Particle Physics"

Report of Contributions

https://indico.iihe.ac.be/e/2031

Contribution ID: **1** Type: **not specified**

INVITED: Theory overview for long-lived particles at the LHC

Wednesday, 29 May 2024 14:30 (20 minutes)

Presenter: KNAPEN, Simon (Lawrence Berkeley National Laboratory)

Session Classification: Fundamental Interactions, Nuclear and Particle Physics

Contribution ID: **2** Type: **not specified**

INVITED: Highlights from long-lived particle searches in CMS

Wednesday, 29 May 2024 14:50 (20 minutes)

Presenter: LOWETTE, Steven (VUB)

Session Classification: Fundamental Interactions, Nuclear and Particle Physics

Contribution ID: **3** Type: **not specified**

How Belgium is preparing the CMS Silicon Strip Tracker for high-luminosity

Wednesday, 29 May 2024 15:10 (20 minutes)

Presenter: DELCOURT, Martin (Vrije Universiteit Brussel)

Session Classification: Fundamental Interactions, Nuclear and Particle Physics

Contribution ID: **4** Type: **not specified**

Exclusive search for light scalars via the Higgs portal decaying to pairs of muons and hadrons at the CMS experiment

Wednesday, 29 May 2024 15:30 (20 minutes)

Presenter: DANSANA, Soumya (ULB-VUB)

Session Classification: Fundamental Interactions, Nuclear and Particle Physics

Contribution ID: **5** Type: **not specified**

Indirect dark matter search in the Galactic Center with the IceCube neutrino telescope

Wednesday, 29 May 2024 15:50 (20 minutes)

Presenter: CHAU, Nhan (ULB-IIHE)

Session Classification: Fundamental Interactions, Nuclear and Particle Physics

Contribution ID: **6** Type: **not specified**

Low-energy astrophysical neutrino searches in IceCube

Wednesday, 29 May 2024 16:10 (20 minutes)

Presenter: MYHR, Per (UCLouvain)

Session Classification: Fundamental Interactions, Nuclear and Particle Physics

Contribution ID: **7** Type: **not specified**

Criterion for ultra-fast bubble walls: the impact of hydrodynamic obstruction

Wednesday, 29 May 2024 16:30 (20 minutes)

Presenter: NAGELS, Xander (VUB)

Session Classification: Fundamental Interactions, Nuclear and Particle Physics