

Dark Matter @ LHC 2019 (DM@LHC)



Tuesday 13 August 2019 - Friday 16 August 2019

Kane Hall 225

Scientific Programme

Opening

Collider Search: historical prospective, Adish Vartak

Collider Search

Uncovered prompt signature at the LHC, Matthew Buckley

Dark Matter search in Higgs and SUSY, Nausheen Shah

Direct and Indirect Search

WIMP experiment, Alvaro Chavarria

Axion experiment, Gray Rybka

Interplay between Direct search and collider, Sonia Hedri

Interplay between Indirect search and collider, Rebecca Leane

Novel ideas

Gravitational Wave, Multi-messenger and Dark Matter, Djuna Croon

Long-lived particle search

New experiments for Long-lived particle search: Christiano Alpigiani

Long-lived particle search panel

Flavor physics and Dark sector

Flavons and leptons for Dark Universe, Jessica Turner

Closing

Theory summery, Rocky Kolb