

Session Program

23–30 mars 2025

59th Rencontres de Moriond - EW+U 2024

Young Scientist Forum

La Thuile, Italy

lun. 24 mars

19:10

Young Scientist Forum

Session | Site: La Thuile, Italy | Convener: Yang Liu

19:10 - 19:15 **Angular Analysis of $B^0 \rightarrow K^{*0} e e$ decays at low q^2 with the LHCb detector**

Orateur
Marie Hartmann

19:17 - 19:22 **$B(B \rightarrow \tau \nu)$ measurement with the hadronic FEI at Belle II**

Orateur
Giovanni Gaudino

19:24 - 19:29 **D to $\pi \mu \mu$ SM theory progress**

Orateur
Anshika Bansal

19:31 - 19:36 **LFV in B decays at Belle and Belle II**

Orateur
Clotilde Lemettais

19:38 - 19:43 **Λ_c to $p \mu \mu$ the rising star and BSM reach**

Orateur
Dominik Suelmann

19:45 - 19:50 **Strange penguins at LHCb: an angular analysis of $B_s \Rightarrow \phi e^+ e^-$ decays**

Orateur
Lorenzo Paolucci

19:55

mar. 25 mars

19:15

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Tarek19:15 - 19:20 **Muon flux measurements with LZ****Orateur**

Harvey Birch

19:22 - 19:27 **Low Energy calibration of DUNE's Prototype****Orateur**

Emile Lavaut

19:29 - 19:34 **Constraining neutral current-non-standard-interaction with long baseline experiments****Orateur**

Joao Paulo Pinheiro

19:36 - 19:41 **TeV-scale muon neutrino cross section measurements at Super-Kamiokande****Orateur**

Nahid Bhuiyan

19:43 - 19:48 **Boosting the Production of Sterile Neutrino Dark Matter with Self-Interactions****Orateur**

Maria Isabel Dias Astros

19:50 - 19:55 **Search for Neutrinoless Double Beta Decays with NuDoubt++****Orateur**

Cloé Girard-Carillo

19:57 - 20:02 **Leptogenesis: connecting cosmology and particle physics****Orateur**

Rémi Faure

20:04 - 20:09 **Prospects of neutrino physics with the Hyper-Kamiokande experiment****Orateur**

Aurora Langella

20:12

mer. 26 mars

19:10

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19:10 – 19:15

Searching for direct slepton production in moderately compressed mass spectra with the ATLAS detector**Orateur**

Alessandro Ruggiero

19:17 – 19:22

Search for dark matter with mono-Higgs signature**Orateur**

Shivani Sanjay Lomte

19:24 – 19:29

Neural Network event generation**Orateur**

Mathias Kuschick

19:31 – 19:36

Constraining ALPS in ALP-EFT**Orateur**

Fabian Esser

19:45

sam. 29 mars

19:30

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19:30 – 19:35 Determination of the Higgs boson lifetime via off-shell decays into two W-boson**Orateur**

Zef Wolffs

19:37 – 19:42**Search for boosted Higgs boson production in association with a vector boson in the bbqq final state with the CMS detector****Orateur**

Duc Minh Hoang

19:44 – 19:49**Flavor Hierarchies From SU(2) Flavor and Quark–Lepton Unification Pati-Salam****Orateur**

Hector Tiplom

19:51 – 19:56**Zeroing in on the Z: Precision Measurement of the Z Boson Mass at LHCb****Orateur**

Emir Muhammad

19:58 – 20:03**First differential ttW cross section measurement by CMS****Orateur**

David Marckx

20:05