

Session Program

6-8 nov. 2023



GDR-InF Annual Workshop 2023

GDR-InF Annual Workshop

Mont Sainte-Odile
<https://www.mont-sainte-odile.com/>

lun. 6 novembre

14:00

GDR-InF Annual Workshop: Rare, radiative and semi-leptonic B decays

Session | Site: CNRS Strasbourg, building 1, Amphitheatre Perey, 23 Rue du Loess, 67200 Strasbourg | Conveners: Jacopo Cerasoli, Christina Agapopoulou

14:00 – 14:20 **Overview**

Orateur

Christina Agapopoulou

14:30 – 14:50 **Search for the $B_s \to \mu \mu \gamma$ decay at LHCb**

Orateur

Irene Bachiller

15:00 – 15:20 **Combined angular analysis of $B \to D^{*} e \nu_e$ and $B \to D^{*} \mu \nu_{\mu}$**

Orateur

Bogdan Kutsenko

15:30 – 15:50 **Reconstructing a generic $B \to \mu \mu$ decay with a graph neural network**

Orateur

M. Corentin Santos

16:00

16:30

GDR-InF Annual Workshop: $B \to K \nu \bar{\nu}$

Session | Site: CNRS Strasbourg, building 1, Amphitheatre Perey, 23 Rue du Loess, 67200 Strasbourg | Conveners: Jacopo Cerasoli, Christina Agapopoulou

16:30 – 17:30 **$B \to K \nu \bar{\nu}$: search at Belle II and theoretical considerations**

Orateurs

Gioacchino Piazza, Jacopo Cerasoli, Lucas Martel, Salvador ROSAURO-ALCARAZ

18:00

mar. 7 novembre

09:00

GDR-InF Annual Workshop: Interplay of quark and lepton flavour

Session | Site: Mont Sainte Odile | Conveners: Klemens Lautenbach, Ana M. Teixeira

09:00 – 09:25 **Charged lepton flavour violation****Orateur**

Sacha Davidson

09:30 – 09:50 **Experimental searches for cLFV****Orateur**

Cristina Carloganu

10:00 – 10:20 **PIONEER: a next-generation rare pion decays experiment****Orateur**

Quentin Buat

10:30

11:00

GDR-InF Annual Workshop: Interplay of quark and lepton flavour

Session | Site: Mont Sainte Odile | Conveners: Klemens Lautenbach, Ana M. Teixeira

11:00 – 11:20 **Combining Flavor EFTs and high-pT collider constraints****Orateurs**

Florentin JAFFREDO, Florentin Jaffredo

11:30 – 12:10 **Search of LFV decays at Belle II****Orateurs**

Arthur Thaller, Clotilde Lemettais, Klemens Lautenbach

12:30

14:00

GDR-InF Annual Workshop: Non-perturbative aspects

Session | Site: Mont Sainte Odile | Conveners: Aoife Bharucha, Dorothea vom Bruch, Benjamin Audurier

14:00 – 14:20 **Overview****Orateur**

Aoife Bharucha

14:30 – 14:55 **g-2 overview****Orateur**

Marc KNECHT

14:55 – 15:15 **QCD x QED on the lattice****Orateur**

Giuseppe Gagliardi

15:15 – 15:35 **Unitarity constraints and hadronic form factors within the Dispersive Matrix approach****Orateur**

Ludovico Vittorio

16:00

16:30

GDR-InF Annual Workshop: Non-perturbative aspects

Session | Site: Mont Sainte Odile | Conveners: Dorothea vom Bruch, Benjamin Audurier, Aoife Bharucha

16:30 – 16:50 **Measurement of the branching fractions of $B \rightarrow D^{(*)} K K^{(*)}$ decays in Belle II****Orateur**

Valerio Bertacchi

17:00 – 17:20

Studies in non-leptonic B meson decays through flavour symmetries and some little puzzles**Orateur**

Gilberto Tetlalmatzi-Xolocotzi

17:30 – 17:50 **Overview PIXEL workshop****Orateur**

Benjamin Audurier

18:30

mer. 8 novembre

09:00

GDR-InF Annual Workshop: Discrete symmetries

Session | Site: Mont Sainte Odile | Conveners: Pierre DELAHAYE, Vincent Tisserand

09:00 – 09:25 **Overview of non-collider precision probes (excl. g-2)****Orateur**

Cedric Delaunay

09:30 – 09:50 **Recent CPV measurements in LHCb and Belle II****Orateur**

Vincent Tisserand

10:00 – 10:20 **Probing weak-interaction symmetries with radioactive ion beams****Orateur**

Pierre DELAHAYE

10:30

11:00

GDR-InF Annual Workshop: Discrete symmetries

Session | Site: Mont Sainte Odile | Conveners: Pierre DELAHAYE, Vincent Tisserand

11:00 – 11:20 **New physics search via CP observables in $B_s \rightarrow \phi \phi$ decay****Orateur**

Tejhas Kapoor

11:30 – 11:50

Measurement of time dependent CP asymmetry using $B \rightarrow K_S^0 \pi \pi \gamma$ decays in Belle II**Orateur**

Petros Stavroulakis

12:00