

Session Program

Nov 6 - 8, 2024



GDR-InF Annual Workshop 2024

GDR-InF Annual Workshop

Cabourg

<https://www.sweethome-cabourg.com/>

Wed, November 6

2:00 PM

GDR-InF Annual Workshop: Discussion on our contribution to European Strategy for Particle Physics Update

Session | Location: Cabourg, <https://www.sweethome-cabourg.com/>

2:00 – 2:10 PM **Welcome address**

Speakers

Gilles de FRANCE, Pierre DELAHAYE

4:00 PM

2:10 – 4:00 PM **Discussion on our contribution to European Strategy for Particle Physics Update**

4:00 PM

GDR-InF Annual Workshop: Visit of GANIL

Session | Location: Cabourg, <https://www.sweethome-cabourg.com/>

5:00 PM

Thu, November 7

9:00 AM

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

Session | Location: Cabourg, <https://www.sweethome-cabourg.com/> | Convener: Ana Margarida TEIXEIRA

9:00 – 9:20 AM Improving the Global SMEFT Picture with Neutrino Oscillations

Speaker

Salvador Urrea Gonzalez

9:30 – 10:00 AM Search for LFV in $B \rightarrow K^* \tau \ell$ and $B \rightarrow \rho \tau \ell$ decays at Belle II

Speakers

Clotilde LEMETTAIS, Isaac Consigny

10:15 – 10:35 AM One-loop dominated CLFV observables in an extended scotogenic model

Speaker

Huchan Lee

10:45 AM

11:15 AM

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

Session | Location: Cabourg, <https://www.sweethome-cabourg.com/> | Convener: Andrew MORRIS

11:15 – 11:35 AM Correlating $0\nu\beta\beta$ decays and flavor observables in leptoquark models

Speaker

Luighi Leal

11:45 AM – 12:05 PM PIONEER, a next generation rare pion decay

Speaker

Quentin Buat

12:15 – 12:35 PM An end-to-end simulation framework for the neutron lifetime experiment tauSPECT

Speaker

Sylvain Vanneste

12:45 PM

2:00 PM

GDR-InF Annual Workshop: Kaon, Charm physics and radiative B_s decays

Session | Location: Cabourg, <https://www.sweethome-cabourg.com/> | Convener: Pere GIRONELLA GIRONELL

2:00 – 2:20 PM Theoretical issues concerning rare kaon decays

Speaker

Marc KNECHT

2:30 – 2:45 PM Radiative decays of $B_{s,d}$ mesons at LHCb

Speaker

Fionn BISHOP

2:50 – 3:05 PM Study of $B^0 \rightarrow \rho \gamma$ using LHCb data

Speakers

Chandiprasad KAR, Chandiprasad Kar, Chandiprasad Kar

	<p>3:15 – 3:30 PM Radiative inclusive B_s decays</p> <p>Speaker Dayanand Mishra</p>
4:00 PM	<p>3:35 – 3:50 PM Study of exclusive $B_c \rightarrow s e \nu$ transitions</p> <p>Speaker Salvador ROSAURO-ALCARAZ</p>
4:30 PM	<p>GDR-InF Annual Workshop: Rare and semi-leptonic B_s decays Session Location: Cabourg, https://www.sweethome-cabourg.com/ Convener: Vitalii Lisovskyi</p>
	<p>4:30 – 4:50 PM Measurement of photon polarization using $B_s \rightarrow \phi e e$</p> <p>Speaker Marie-Hélène Schune</p>
	<p>5:00 – 5:15 PM Angular Analysis of $B^0 \rightarrow K^{*} e e$ at low q^2 with the LHCb detector</p> <p>Speaker Marie Hartmann</p>
	<p>5:25 – 5:55 PM LFUV tests in LHCb using semitauonic decays</p> <p>Speakers Ching Hua Li, Guy Wormser</p>
6:45 PM	<p>6:10 – 6:30 PM Accommodating the measured $R(D^{(*)})$ and $BR(B \rightarrow K \nu \bar{\nu})$ in a single-(scalar-)leptoquark scenario</p> <p>Speakers Damir BECIREVIC, Damir BECIREVIC</p>

Fri, November 8

8:30 AM

GDR-InF Annual Workshop: Light new particles and discrete symmetries

Session | Location: Cabourg, <https://www.sweethome-cabourg.com/> | Convener: Christopher Smith

8:30 – 8:50 AM **Search for axions and ALPs with nEDM**

Speakers

Stephanie Roccia, Stéphanie Roccia

9:00 – 9:20 AM **Baryonic Axion search in neutron-antineutron oscillations**

Speaker

Théo Brugeat

9:30 – 9:50 AM **Quantum magnetometry for the search of the neutron electric dipole moment**

Speakers

Katia MICHIELESEN, Katia Michielsen, Katia Zina Michielsen

10:00 – 10:20 AM **Improved search for CP violation in ortho-Positronium decay**

Speaker

Prof. Oscar Naviliat-Cuncic

10:30 AM

11:00 AM

GDR-InF Annual Workshop: Discrete symmetries

Session | Location: Cabourg, <https://www.sweethome-cabourg.com/> | Convener: Pierre DELAHAYE

11:00 – 11:15 AM **Calibration of the Flavour Tagger at Belle II**

Speaker

Mr Corentin Santos

11:20 – 11:35 AM **V_{ub} measurement on the $B_s^0 \rightarrow K \mu \nu$ at LHCb**

Speaker

Aloïs Caillet

11:40 – 11:55 AM

CKM angle γ measurement with decay $B^{\pm} \rightarrow D^0 \rightarrow K_s^0 \pi^+ \pi^- \pi^0$ at LHCb

Speaker

jessy daniel

12:00 PM