

GDR-InF Annual Workshop 2024

mercredi 6 novembre 2024

GDR-InF Annual Workshop: Discussion on our contribution to European Strategy for Particle Physics Update (14:00 - 16:00)

| time | [id] title | presenter |
|-------|--|---------------------------------------|
| 14:00 | [25] Welcome address | DE FRANCE, Gilles DELAHAYE, Pierre |
| 14:10 | [26] Discussion on our contribution to European Strategy for Particle Physics Update | |

GDR-InF Annual Workshop: Visit of GANIL (16:00 - 17:00)

jeudi 7 novembre 2024

GDR-InF Annual Workshop: Interplay of quark and lepton flavour (09:00 - 10:45)

-Présidents de session: Ana Margarida TEIXEIRA

| time | [id] title | presenter |
|-------|---|--|
| 09:00 | [2] Improving the Global SMEFT Picture with Neutrino Oscillations | URREA GONZALEZ, Salvador |
| 09:30 | [4] Search for LFV in $B \rightarrow K^{*} \tau \ell$ and $B \rightarrow \rho \tau \ell$ decays at Belle II | LEMETTAIS, Clotilde CONSIGNY, Isaac |
| 10:15 | [5] One-loop dominated CLFV observables in an extended scotogenic model | LEE, Huchan |

GDR-InF Annual Workshop: Interplay of quark and lepton flavour and future experiments (11:15 - 12:45)

-Présidents de session: Andrew MORRIS

| time | [id] title | presenter |
|-------|--|-------------------|
| 11:15 | [6] Correlating $0\nu\beta\beta$ decays and flavor observables in leptoquark models | LEAL, Luighi |
| 11:45 | [7] PIONEER, a next generation rare pion decay | BUAT, Quentin |
| 12:15 | [21] An end-to-end simulation framework for the neutron lifetime experiment tauSPECT | VANNESTE, Sylvain |

GDR-InF Annual Workshop: Kaon, Charm physics and radiative B decays (14:00 - 16:00)

-Présidents de session: Pere GIRONELLA GIRONELL

| time | [id] title | presenter |
|-------|---|---|
| 14:00 | [12] Theoretical issues concerning rare kaon decays | KNECHT, Marc |
| 14:30 | [9] Radiative decays of B_s mesons at LHCb | BISHOP, Fionn |
| 14:50 | [10] Study of $B^0 \rightarrow \rho \gamma$ using LHCb data | KAR, Chandiprasad KAR, Chandiprasad KAR, Chandiprasad |
| 15:15 | [11] Radiative inclusive B decays | MISHRA, Dayanand |
| 15:35 | [14] Study of exclusive $c \rightarrow s e \nu$ transitions | ROSAURO-ALCARAZ, Salvador |

GDR-InF Annual Workshop: Rare and semi-leptonic B decays (16:30 - 18:45)

-Présidents de session: Vitalii Lisovskyi

| time | [id] title | presenter |
|-------|---|--------------------------------------|
| 16:30 | [24] Measurement of photon polarization using $B_s \rightarrow \phi e e$ | SCHUNE, Marie-Hélène |
| 17:00 | [13] Angular Analysis of $B^0 \rightarrow K^{*} e e$ at low q^2 with the LHCb detector | HARTMANN, Marie |
| 17:25 | [15] LFUV tests in LHCb using semitaquonic decays | LI, Ching Hua WORMSER, Guy |
| 18:10 | [16] Accommodating the measured $R(D^{(*)})$ and $BR(B \rightarrow K \nu \nu)$ in a single-(scalar-)leptoquark scenario | BECIREVIC, Damir BECIREVIC, Damir |

vendredi 8 novembre 2024

GDR-InF Annual Workshop: Light new particles and discrete symmetries (08:30 - 10:30)

-Présidents de session: Christopher Smith

| time | [id] title | presenter |
|-------|--|--|
| 08:30 | [17] Search for axions and ALPs with nEDM | ROCCIA, Stephanie ROCCIA, Stéphanie |
| 09:00 | [8] Baryonic Axion search in neutron-antineutron oscillations | BRUGEAT, Théo |
| 09:30 | [18] Quantum magnetometry for the search of the neutron electric dipole moment | MICHIELSEN, Katia MICHIELSEN, Katia MICHIELSEN, Katia Zina |
| 10:00 | [19] Improved search for CP violation in ortho-Positronium decay | Prof. NAVILIAT-CUNCIC, Oscar |

GDR-InF Annual Workshop: Discrete symmetries (11:00 - 12:00)

-Présidents de session: Pierre DELAHAYE

| time | [id] title | presenter |
|-------|---|---------------------|
| 11:00 | [20] Calibration of the Flavour Tagger at Belle II | M. SANTOS, Corentin |
| 11:20 | [22] V_{ub} measurement on the $B_s^0 \rightarrow K \mu \nu$ at LHCb | CAILLET, Alois |
| 11:40 | [23] CKM angle γ measurement with decay $B^{\pm} \rightarrow D^0(K_s^0 \pi^+ \pi^- \pi^0) h^{\pm}$ at LHCb | DANIEL, jessy |