

GDR-InF Annual Workshop 2022

mercredi 2 novembre 2022

GDR-InF Annual Workshop: Current and future experiments (14:00 - 16:00)

-Présidents de session: Dorothea vom Bruch; Benjamin Audurier

time	[id] title	presenter
14:00	[4] Current and future experiments Overview	VOM BRUCH, Dorothea
14:30	[5] B0 -> Ks pi pi gamma in Belle/Belle II and as a benchmark the performance of an upgrade to the Vertex Detector of Belle II	BABU, Varghese STAVROULAKIS, Petros
15:00	[6] B-tagging at Belle II	TRABELSI, Karim
15:15	[9] High Level Trigger of Belle II experiment	BERTACCHI, Valerio
15:30	[10] Estimation of the fake tracks vs time in Belle II	THALLER, Arthur
15:45	[32] SuperSUN: a Ultra-Cold Neutron source for precision physics	CHANEL, Estelle

GDR-InF Annual Workshop: Discrete symmetries (16:30 - 19:00)

-Présidents de session: Vincent Tisserand; Pierre DELAHAYE

time	[id] title	presenter
16:30	[1] Discrete Symmetries Overview part 1: CKM basics	TISSERAND, Vincent
16:50	[3] Gamma angle measurement in open charm B decays	Mme SAZAK, Halime
17:05	[38] Measurement of the CKM angle gamma in the $B^+ \rightarrow D^0 (\rightarrow K_S^0 \pi^+ \pi^- \pi^0) K^+ \pi^-$ decay (GSSZ generalised)	DANIEL, jessy
17:20	[37] Measurement of the mixing-induced CP-violating observables in $B_s \rightarrow \phi \gamma$	Mlle HOU, Yingrui Dr HOU, Yingrui
17:35	[2] Study of the $\Lambda_b^0 \rightarrow D^0 p K^+ \pi^-$ decay for a future measurement of CKM angle γ	MANCUSO, Chiara
18:00	[36] Discrete Symmetries Overview part 2: nEDM & nuclear β -decays	VERSTEEGEN, Maud PIGNOL, Guillaume
18:30	[7] nEDM commissioning progress	SVIRINA, Kseniia
18:45	[8] Search for CP violation in Nuclear beta decay with The MORA project	GOYAL, NISHU Mlle GOYAL, Nishu

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GDR-InF Annual Workshop: Non-perturbative aspects (09:00 - 10:30)

-Présidents de session: Elisabeth Niel; Aoife Bharucha; Antoine Gérardin

time	[id] title	presenter
09:00	[12] Form Factors in $b \rightarrow s$ transitions	REBOUD, MériL
09:15	[13] The Dispersive-Method approach to V_{cb}	VITTORIO, Ludovico
09:30	[34] Bottomonium spectroscopy at Belle/Belle II	OSKIN, Pavel
09:45	[35] Fragmentation of Jpsi mesons in jets	DIAB, Batoul
10:00	[11] Overview and Challenges	BHARUCHA, Aoife NIEL, Elisabeth

GDR-InF Annual Workshop: Rare, radiative and semi-leptonic B decays; Charm and Kaon Physics (11:00 - 13:00)

-Présidents de session: Jacopo Cerasoli; Christina Agapopoulou; Nazila Mahmoudi; Olcyr Sumensari

time	[id] title	presenter
11:00	[15] Overview (and Challenges!)	AGAPOPOULOU, Christina CERASOLI, Jacopo MAHMOUDI, Nazila SUMENSARI, Olcyr
11:30	[16] LFU $b \rightarrow c$ at LHCb	BENANE, Gaya
11:55	[30] CPV in $b \rightarrow sll$	SMOLKOVIČ, Aleks
12:15	[29] Flavor physics at high- p_T	WILSCH, Felix
12:35	[31] Buffer/discussion	

GDR-InF Annual Workshop: Rare, radiative and semi-leptonic B decays; Charm and Kaon Physics (14:00 - 16:00)

-Présidents de session: Olcyr Sumensari; Christina Agapopoulou; Jacopo Cerasoli; Nazila Mahmoudi

time	[id] title	presenter
14:00	[26] Search for $B \rightarrow K \nu \nu$ at Belle II and B-tagging using deep learning	CERASOLI, Jacopo MARTEL, Lucas
14:40	[24] Enhancing $B_s \rightarrow e^+e^-$ to an Observable Level	TETLALMATZI-XOLOCOTZI, Gilberto
15:00	[22] The effective lifetime of $B_s \rightarrow \mu\mu$	NORMAND, Camille
15:20	[27] RareCharm decays $D_0 \rightarrow h\ell e$ at LHCb	M. SCARABOTTO, Alessandro
15:40	[18] QED corrections and their effects on LFU ratios	NABEEBACCUS, Saad

GDR-InF Annual Workshop: Flavio Hands-On Session (16:30 - 18:30)

-Présidents de session: Peter Stangl

time	[id] title	presenter
16:30	[39] Flavio Hands-On Session	STANGL, Peter

vendredi 4 novembre 2022

GDR-InF Annual Workshop: Interplay of quark and lepton flavour (09:00 - 10:30)

-Présidents de session: Ana M. Teixeira; Laura ZANI

time	[id] title	presenter
09:00	[19] Overview of tau Lepton Flavor Violation decays at Belle II	POLAT, Léonard LEBOUCHER, Robin
09:40	[20] Lepton Flavour Violation searches in B decays at LHCb	M. FULGHESU, Tommaso
10:00	[33] The hadronic contribution to the running of α_{em} and the EW mixing angle	SAN JOSÉ, Teseo

GDR-InF Annual Workshop: Light new particles (11:00 - 12:30)

-Présidents de session: Christopher Smith; Mark Goodsell

time	[id] title	presenter
11:00	[21] Overview and Challenges	GOODSELL, Mark
11:30	[23] Resonant dark sector searches at positron beam dumps	DARMÉ, Luc
11:50	[25] Relic Challenges for Vector-Like Fermions as Connectors to a Dark Sector	CARVUNIS, Alexandre CARVUNIS, Alexandre