



# XXV DAE-BRNS High Energy Physics Symposium 2022

## Monday, 12 December 2022

### WG8 - Quark and Lepton Flavour Physics: D1-S1 - Parallel - 4 - LH4 (15:00 - 16:30)

-Conveners: Soumitra Nandi; Dinesh Kumar; Dr. Rukmani Mohanta; Saurabh Sandilya

time	[id] title	presenter
15:00	[792] CLFV searches in the tau sector	BANERJEE, Swagato
15:30	[95] Implications of new physics in semileptonic $b \rightarrow c \ell \bar{\nu}_\ell$ transitions.	Ms BHATTA, Aishwarya
15:45	[327] Radiatively generated quarks and lepton masses in extended gauge theories	MOHANTA, GURUCHARAN
16:00	[244] Measurement of CP-violating phase $\phi_s$ in the $B_{0_s} \rightarrow J/\psi \phi \rightarrow \mu^+ \mu^- K^+ K^-$ channel in pp collisions at $\sqrt{s} = 13$ TeV	KAMBLE, Samadhan

# Tuesday, 13 December 2022

## WG8 - Quark and Lepton Flavour Physics: D2-S1 - Parallel - 5 - LH4 (11:00 - 13:00)

-Conveners: Soumitra Nandi; Dr. Rukmani Mohanta; Dinesh Kumar; Saurabh Sandilya

time	[id] title	presenter
11:00	[399] Direct CP asymmetry in Z' models	GANGAL, Shireen
11:15	[421] Search for lepton flavor violating decays of heavy resonances and quantum black holes in dilepton final states with full Run2 CMS data	Dr KALSI, Amandeep Kaur
11:30	[376] $D_q \rightarrow D_q \gamma$ : Probing the inner structure of charm mesons	BANSAL, Anshika
11:45	[97] Scrutinizing the effects of new physics in $\Lambda_b \rightarrow \Lambda^{(*)} \mu^+ \mu^-$ and $\Lambda_b \rightarrow \Lambda^{(*)} \nu \bar{\nu}$ baryonic decays	DAS, Nilakshi
12:00	[277] Search for the decay $B_s \rightarrow \pi^0 \pi^0$ at Belle	BORAH, Jyotirmoi
12:15	[360] Measurement of lepton flavour universality ratio at Belle II	HALDER, Soumen
12:30	[622] Measurement of strong-phase difference between $D_0$ and $\bar{D}_0 \rightarrow K_S^0 K^+ K^-$ at BESIII	Dr RAVINDRAN, Krishnakumar

# Thursday, 15 December 2022

## WG8 - Quark and Lepton Flavour Physics: D4 - S8 - Parallel - 2 - LH4 (15:00 - 16:30)

-Conveners: Saurabh Sandilya; Dinesh Kumar; Soumitra Nandi; Rukmani Mohanta

time	[id] title	presenter
15:00	[791] B anomalies: an experimental perspective	LIBBY, James
15:30	[32] First time-dependent analysis of $B^0 \rightarrow K^0 \pi^0$ decays at Belle II	Mr HAZRA, SAGAR
15:45	[256] $\Lambda_b \rightarrow p \bar{\nu}$ decay in $U_1$ leptoquark model.	KHAN, Shabana
16:00	[73] Constraining New Physics with Possible DM Signatures from the Study of FCNC Processes	KOLAY, Lipika
16:15	[218] Measurement of $B_s^0$ lifetime in $B_s^0 \rightarrow J/\psi K_s^0$ decay mode	SADANGI, Priyanka