



# Rare Processes and Precision Frontier Townhall Meeting

## Friday, October 2, 2020

### RF2: Weak decays of strange and light quarks (12:50 PM - 4:50 PM)

time	[id] title	presenter
12:50 PM	[M1] Rare $\eta$ and $\eta'$ decays	GONZALEZ-SOLIS, Sergi
1:02 PM	[M] The REDTOP experiment	MAZZACANE, Anna
1:14 PM	[M] The JLab Eta Factory (JEF) Experiment	GAN, Liping
1:26 PM	[M] Rare kaon decays	AEBISCHER, Jason
1:38 PM	[M] Radiative kaon decays	KNECHT, Marc
1:50 PM	[M] Novel EFT connections between K and B physics	GUADAGNOLI, Diego
2:02 PM	[M] Rare kaon decays from lattice QCD	PORTELLI, Antonin
2:14 PM	[M] Rare decays at the CERN high-intensity kaon beam facility	MOULSON, Matthew
2:26 PM	[M] KOTO step-2 experiment	WORCESTER, Elizabeth
2:38 PM	Coffee break	
3:05 PM	[M1] Strange decays at LHCb	DETTORI, Francesco
3:17 PM	[M2] Physics potential of a high-luminosity $J/\psi$ factory	KUPSC, Andrzej
3:29 PM	[M3] Testing LFU and CKM unitarity with rare pion decays	BRYMAN, Douglas
3:41 PM	[M5] The quest for explaining top-row CKM unitarity deficit	SENG, Chien Yeah
3:53 PM	[M4] Unitarity of CKM matrix, $ V_{ud} $ , rad.corrections and semileptonic FFs	GUPTA, Rajan
4:05 PM	[M6] High-precision determination of $V_{us}$ and $V_{ud}$ from lattice QCD	GUELPERS, Vera
4:17 PM	[M4] Lattice QCD calculations of K and pion decay parameters & first-row CKM unitarity tests	EL-KHADRA, Aida
4:29 PM	Discussion	