



# Rare Processes and Precision Frontier Townhall Meeting

## Friday, 2 October 2020

### RF2: Weak decays of strange and light quarks (12:50 - 16:50)

| time  | [id] title                                                                                   | presenter             |
|-------|----------------------------------------------------------------------------------------------|-----------------------|
| 12:50 | [1] Rare $\eta$ and $\eta'$ decays                                                           | GONZALEZ-SOLIS, Sergi |
| 13:02 | [3] The REDTOP experiment                                                                    | MAZZACANE, Anna       |
| 13:14 | [2] The JLab Eta Factory (JEF) Experiment                                                    | GAN, Liping           |
| 13:26 | [4] Rare kaon decays                                                                         | AEBISCHER, Jason      |
| 13:38 | [5] Radiative kaon decays                                                                    | KNECHT, Marc          |
| 13:50 | [6] Novel EFT connections between K and B physics                                            | GUADAGNOLI, Diego     |
| 14:02 | [8] Rare kaon decays from lattice QCD                                                        | PORTELLI, Antonin     |
| 14:14 | [9] Rare decays at the CERN high-intensity kaon beam facility                                | MOULSON, Matthew      |
| 14:26 | [10] KOTO step-2 experiment                                                                  | WORCESTER, Elizabeth  |
| 14:38 | Coffee break                                                                                 |                       |
| 15:05 | [11] Strange decays at LHCb                                                                  | DETTORI, Francesco    |
| 15:17 | [12] Physics potential of a high-luminosity $J/\psi$ factory                                 | KUPSC, Andrzej        |
| 15:29 | [13] Testing LFU and CKM unitarity with rare pion decays                                     | BRYMAN, Douglas       |
| 15:41 | [15] The quest for explaining top-row CKM unitarity deficit                                  | SENG, Chien Yeah      |
| 15:53 | [14] Unitarity of CKM matrix, $ V_{ud} $ , rad.corrections and semileptonic FFs              | GUPTA, Rajan          |
| 16:05 | [16] High-precision determination of $V_{us}$ and $V_{ud}$ from lattice QCD                  | GUELPERS, Vera        |
| 16:17 | [24] Lattice QCD calculations of K and pion decay parameters & first-row CKM unitarity tests | EL-KHADRA, Aida       |
| 16:29 | Discussion                                                                                   |                       |