

RF2: weak decays of light & strange quarks

- ❖ Lols received with RF2 as primary or secondary TGs: 24.
- ❖ Lols considered primarily within RF2: 20.
- ❖ Have not identified Lols belonging to RF2 but not labelled RF2.
- ❖ For the Townhall meeting, agreed to merge a few Lols.
Talks invited to RF2 session: 17 (accepted so far: 15).
- ❖ Topics covered by talks:
 - ✓ $\eta(')$ decays: 1 theory (rare decays) + 2 exp (JEF, REDTOP).
 - ✓ Kaon decays: 4 theory (rare decays, rad.decays, lattice QCD)
+ 3 exp (CERN kaon facility, KOTO step-2, LHCb).
 - ✓ Hyperon decays: 1 exp (high-lumi J/ψ factory: CPV in Λ decays).
 - ✓ Charged pion decays: 1 exp (next-gen stopped π^+ exp: $|V_{ud}|$, LU).
 - ✓ First-row CKM unitarity: 5 theory talks
($|V_{ud}|$ from the neutron decay; lattice QCD calculations;
radiative corrections for $|V_{ud}|$ and $|V_{us}|$).