## **New leptonic D**<sub>(s)</sub> results for HFLAV2021

- 1. D<sup>+</sup>  $\rightarrow \tau^+ v$ , BESIII, PRL123, 211802(2019).
- 2. Updated  $D_s^+ \rightarrow \mu^+ v$  result and new  $D^+ \rightarrow \tau^+(\pi^+ v) v$  result, using 4.18-4.23 GeV data at BESIII, arXiv:2102.11734.
- 3. D<sup>+</sup>  $\rightarrow \tau^+(\rho v) v$ , BESIII, is hopefully submitted around April.
- 4. D<sup>+</sup> → τ<sup>+</sup>(evv) v [BF error: ~3% in total; better than PDG precision of 4%], BESIII, is hopefully submitted around April.

Update of  $D^+$  can be finished by the end of March. Update of  $D_s$  will be finished by the end of April.

## New semi-leptonic D<sub>(s)</sub> results for HFLAV2021

- 1. D<sup>+</sup> →  $ω\mu^+v$ , BESIII, PRD101, 072005(2020).
- 2. D<sup>+</sup> →  $\eta\mu^+v$ , BESIII, PRL124, 231801(2020).
- 3. Search for  $D^{0(+)} \rightarrow b_1 e^+ v$ , BESIII, PRD101, 072005(2020).
- 4. Observation of  $D^0 \rightarrow K_1^-e^+v$ , BESIII, arXiv:2102.10850.
- 5. D<sup>0(+)</sup> → K<sup>-bar</sup> e<sup>+</sup>v with new method, BESIII, is hopefully submitted before April. Only BFs will be reported.
- 6. D<sup>0</sup> → ρ<sup>-</sup>μ<sup>+</sup>v, BESIII, is hopefully submitted before April.
  Only BFs will be reported.
- a. Only  $D \rightarrow \eta$  form factor needs to be weighted. b. Some paragraphs need to be added for new results.

Updates with 1-4 can be finished by the end of March. Updates with 5-6 will be finished in middle of April.