

FLAG2021

 $|V_{cd}|$  $|V_{cs}|$  $N_f=2+1+1$ our estimate for  $N_f=2+1+1$ 

HPQCD 21A

HPQCD 21A ( $q^2=0$ )

FNAL/MILC 17

ETM 17D/Riggio 17

ETM 17D ( $q^2=0$ )

ETM 14E

 $N_f=2+1$ our estimate for  $N_f=2+1$ 

RBC/UKQCD 17

Meinel 16

 $\chi$ QCD 14

HPQCD 11/10B

HPQCD 12A/10A

FNAL/MILC 11

 $N_f=2$ our estimate for  $N_f=2$ 

Balasubramanian 19

ETM 13B

non-lattice

neutrino scattering

CKM unitarity

0.20 0.22 0.24

0.95 1.00 1.05

