

FLAG2016

$|V_{us}|$

$|V_{ud}|$

$N_f=2+1+1$

$N_f=2+1$

$N_f=2$

FLAG average for $N_f=2+1+1$

ETM 16
 ETM 14E
 FNAL/MILC 14A
 FNAL/MILC 13E
 FNAL/MILC 13C
 ETM 13F
 HPOCD 13A
 MILC 13A
 MILC 11 (stat. err. only)
 ETM 10E (stat. err. only)

FLAG average for $N_f=2+1$

BMW 16
 RBC/UKQCD 15A
 RBC/UKQCD 14B
 RBC/UKQCD 13
 RBC/UKQCD 12
 FNAL/MILC 12I
 JLQCD 12
 Laiho 11
 JLQCD 11
 MILC 10
 JLQCD/TWQCD 10
 RBC/UKQCD 10A
 RBC/UKQCD 10
 BMW 10
 PACS-CS 09
 JLQCD/TWQCD 09A (stat. err. only)
 MILC 09A
 MILC 09
 Aubin 08
 PACS-CS 08
 RBC/UKQCD 08
 RBC/UKQCD 07
 HPOCD/UKQCD 07
 NPLQCD 06
 MILC 04

FLAG average for $N_f=2$

ETM 14D (stat. err. only)
 ALPHA 13A
 BGR 11
 ETM 10D (stat. err. only)
 ETM 10D (stat. err. only)
 ETM 09A
 ETM 09
 QCDSF/UKQCD 07
 QCDSF 07 (stat. err. only)
 RBC 06
 JLQCD 05

FLAG 14 τ decay
 Hudsphith 15 τ decay and e^+e^-
 Maltman 09 τ decay and e^+e^-
 Gamiz 08 τ decay

Hardy 15 nuclear β decay

0.22 0.23

0.973 0.975

