CKM fitter LP 2003

Parameter	$\geq 32\%$ CL range	$\geq 32\%$ CL half-width	$\geq 5\%$ CL range	$\geq 5\%$ CL half-width
λ	0.2279 ± 0.0032		$^{+0.0062}_{-0.0070}$	
A	0.768 - 0.824	0.028	0.746 - 0.864	0.059
$\bar{\rho}$	0.118 - 0.273	0.078	0.071 - 0.332	0.131
$\bar{\eta}$	0.305 - 0.393	0.044	0.259 - 0.419	0.080
J $[10^{-5}]$	2.66 - 3.44	0.39	2.27 - 3.68	0.70
$\sin 2\alpha$	-0.61 - 0.23	0.42	-0.87 - 0.45	0.66
$\sin 2\beta$	0.691 - 0.762	0.036	0.646 - 0.789	0.071
$\sin 2\beta$ (w/o $\mathrm{WA_{exp}}$)	0.587 - 0.766	0.090	0.516 - 0.796	0.140
α	83° - 109°	13°	77° - 120°	22°
β	21.8° - 24.8°	1.5°	20.2° - 26.0°	2.9°
β (w/o $\mathrm{WA_{exp}}$)	18.0° - 25.0°	3.5°	15.5° - 26.4°	5.5°
γ	48° - 73°	12°	39° - 80°	21°
$\sin\theta_{12}$	0.2247 - 0.2310	0.0032	0.2209 - 0.2341	0.0066
$\sin\theta_{13}$ $[10^{-3}]$	3.58 - 4.05	0.23	3.39 - 4.21	0.41
$\sin\theta_{23}$ $[10^{-3}]$	40.5 - 42.3	0.9	40.0 - 43.4	1.7
V_{ud}	0.9738 ± 0.0007		± 0.0015	
V_{us}	0.2279 ± 0.0032		$^{+0.0062}_{-0.0070}$	
V_{ub} $[\times 10^{-3}]$	3.59 - 4.05	0.23	3.39 - 4.21	0.41
V_{cd}	0.2245 - 0.2309	0.0032	0.2206 - 0.2340	0.0067
V_{cs}	0.9729 ± 0.0007		± 0.0015	
V_{cb} $[\times 10^{-3}]$	40.5 - 42.3	0.9	40.0 - 43.4	1.7
V_{td} $[\times 10^{-3}]$	7.38 - 9.02	0.82	6.70 - 9.50	1.40
V_{ts} $[\times 10^{-3}]$	39.8 - 41.7	0.9	39.3 - 42.8	1.8
V_{tb}	0.99910 - 0.99917	0.00004	0.99905 - 0.99919	0.00007
Δm_s $[\mathrm{ps}^{-1}]$	16.2 - 24.6	4.2	15.1 - 30.6	7.7
Δm_s $[\mathrm{ps}^{-1}]$ (without exp. limit)	12.3 - 26.6	7.1	10.2 - 31.4	10.6
$\mathcal{B}(K^0_{\mathrm{L}} \to \pi^0 \nu\bar{\nu})$ $[10^{-11}]$	2.1 - 3.5	0.7	1.5 - 4.0	1.2
$\mathcal{B}(K^+ \to \pi^+ \nu\bar{\nu})$ $[10^{-11}]$	6.9 - 9.0	1.1	5.9 - 10.1	2.1
$\mathcal{B}(B^+ \to \mu^+ \nu_\mu)$ $[10^{-7}]$	3.3 - 5.6	1.1	2.8 - 7.3	2.3
$\mathcal{B}(B^+ \to \tau^+ \nu_\tau)$ $[10^{-5}]$	8.5 - 14.1	2.8	7.2 - 18.5	5.7
$f_{B_d}\sqrt{B_d}$ (MeV)	196 - 243	24	187 - 272	43
B_K	0.58 - 1.15	0.28	0.51 - 1.45	0.47
m_t (GeV/c^2)	118 - 212	47	102 - 271	85

Numerical results of the Standard CKM fit.