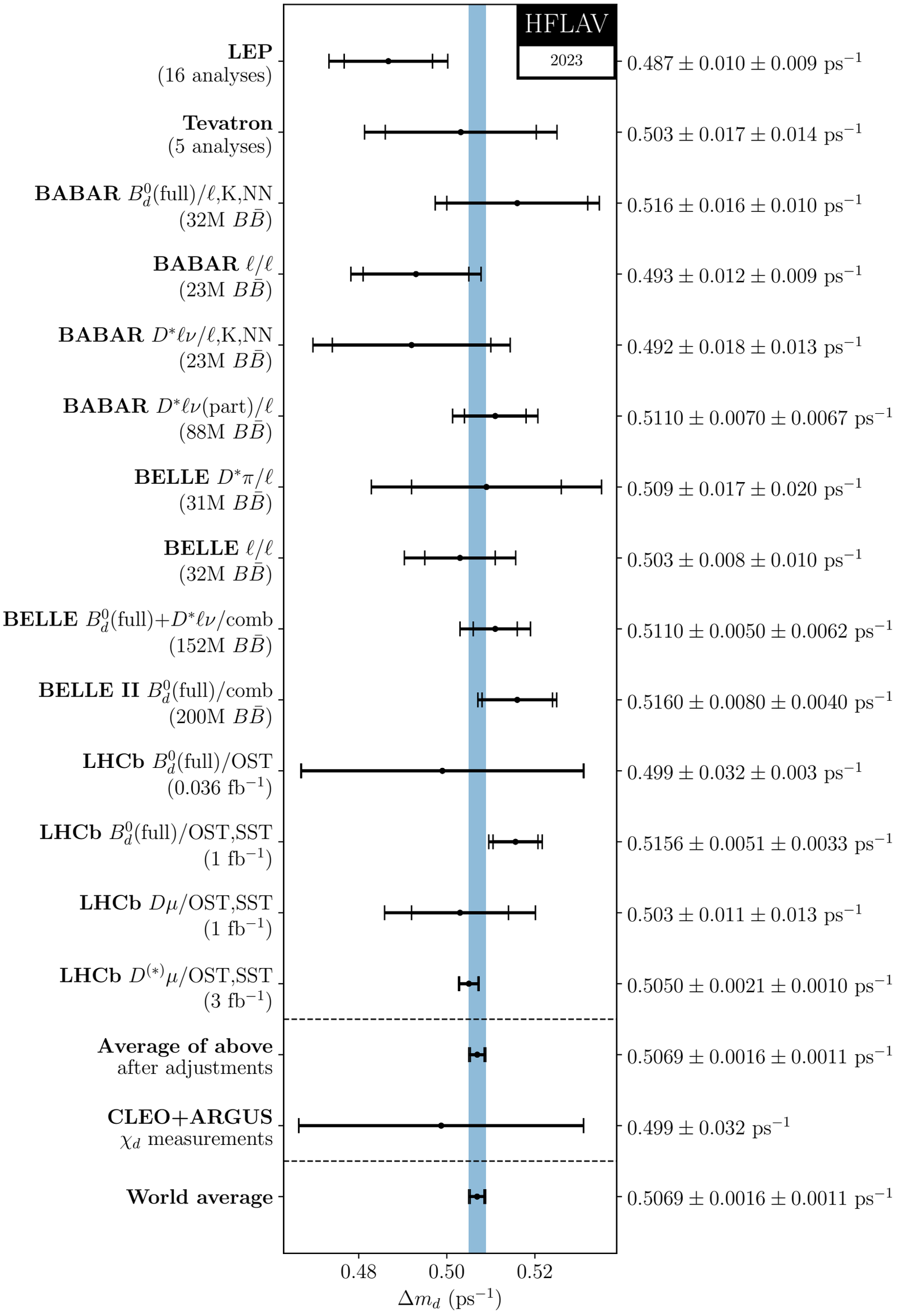
HFLAV
2023
LEP (16 analyses)
0.487 ± 0.010 ± 0.009 ps^{-1}
Tevatron (5 analyses)
0.503 ± 0.017 ± 0.014 ps^{-1}
BABAR B_d^0(full)/ℓ,K,NN (32M $B\bar{B}$)
0.516 ± 0.016 ± 0.010 ps^{-1}
BABAR ℓ/ℓ (23M $B\bar{B}$)
0.493 ± 0.012 ± 0.009 ps^{-1}
BABAR $D^*\ell\nu/\ell$,K,NN (23M $B\bar{B}$)
0.492 ± 0.018 ± 0.013 ps^{-1}
BABAR $D^*\ell\nu$(part)/ℓ (88M $B\bar{B}$)
0.5110 ± 0.0070 ± 0.0067 ps^{-1}
BELLE $D^*\pi/\ell$ (31M $B\bar{B}$)
0.509 ± 0.017 ± 0.020 ps^{-1}
BELLE ℓ/ℓ (32M $B\bar{B}$)
0.503 ± 0.008 ± 0.010 ps^{-1}
BELLE B_d^0(full)+$D^*\ell\nu$/comb (152M $B\bar{B}$)
0.5110 ± 0.0050 ± 0.0062 ps^{-1}
BELLE II B_d^0(full)/comb (200M $B\bar{B}$)
0.5160 ± 0.0080 ± 0.0040 ps^{-1}
LHCb B_d^0(full)/OST (0.036 fb^{-1})
0.499 ± 0.032 ± 0.003 ps^{-1}
LHCb B_d^0(full)/OST,SST (1 fb^{-1})
0.5156 ± 0.0051 ± 0.0033 ps^{-1}
LHCb $D\mu$/OST,SST (1 fb^{-1})
0.503 ± 0.011 ± 0.013 ps^{-1}
LHCb $D^{(*)}\mu$/OST,SST (3 fb^{-1})
0.5050 ± 0.0021 ± 0.0010 ps^{-1}
Average of above after adjustments
0.5069 ± 0.0016 ± 0.0011 ps^{-1}
CLEO+ARGUS χ_d measurements
0.499 ± 0.032 ps^{-1}
World average
0.5069 ± 0.0016 ± 0.0011 ps^{-1}
0.48
0.50
0.52
Δm_d (ps^{-1})