

Table IV. From Jaros⁵⁷, the status of τ lifetime measurements in 1982.

Experiment	Number of Decays	Average Decay Length Error (mm)	$\tau_\tau (10^{-13} \text{ s})$
TASSO	599	10	0.8 ± 2.2
MARK II	126	4	4.6 ± 1.9
MAC	280	4	$4.1 \pm 1.2 \pm 1.1$
CELLO	78	6	$4.7 \pm_{2.9}^{3.9}$
MARK II Vertex Detector	71	0.9	$3.31 \pm .57 \pm .60$

which using modern values give

$$\tau_\tau (\text{predicted}) = 2.9 \times 10^{-13} \text{ sec} \quad (11b)$$

Thus the 1982 measurement of τ_τ agreed with theory and the overall identification of the τ as a heavy lepton was complete.