Likelihood Fit Results-MC

Scan:

Δm_d 0.485±0.015 ps^{-1}

1-D Minuit:

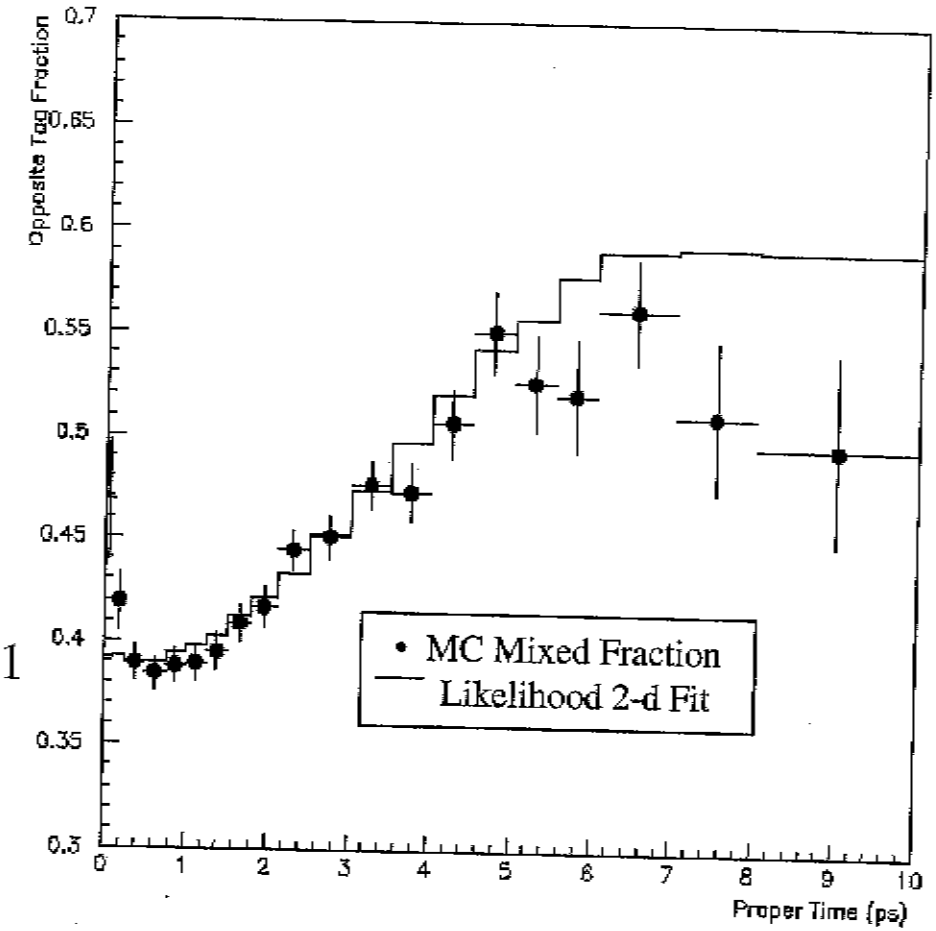
Δm_d 0.485±0.016 ps^{-1}

2-D Minuit:

Δm_d 0.487±0.016 ps^{-1}

RSF 0.802±0.010

number of vertices: 35796



The SLD Monte Carlo has Δm_d =0.484 ps^{-1} and a right sign fraction of 0.797.

B_d w/ Kaons "Preliminary Final" Result

JLW-1

Likelihood Fit Results-Data

Scan:

Δm_d 0.540±0.035 ps^{-1}

1-D Minuit:

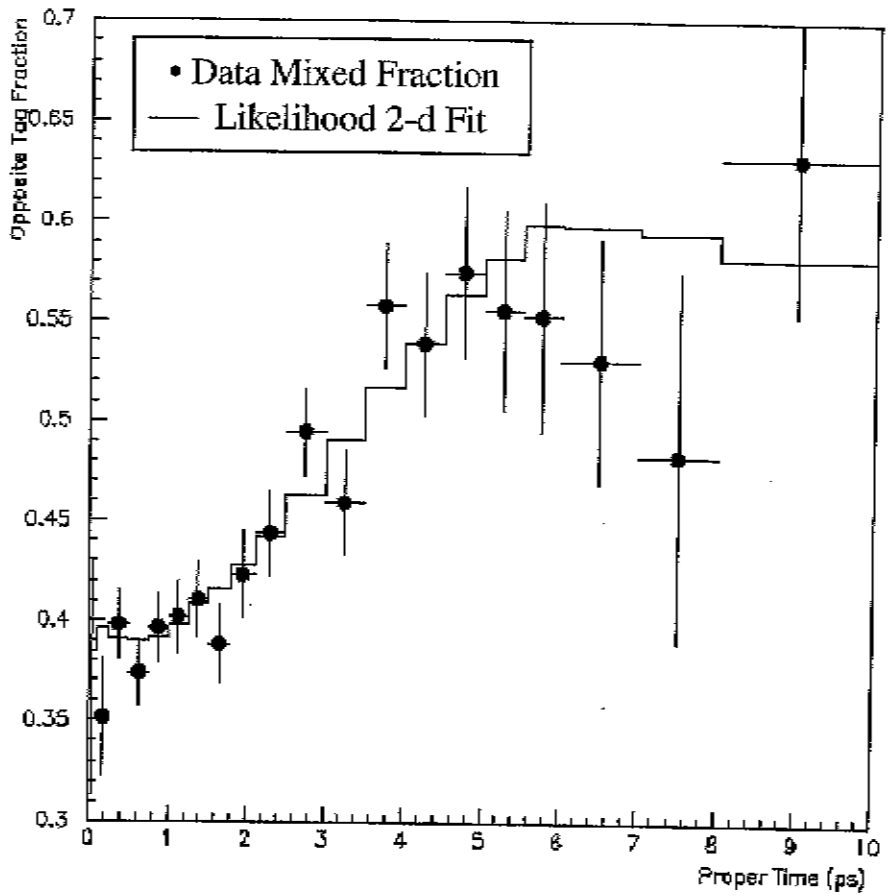
Δm_d 0.540±0.033 ps^{-1}

2-D Minuit:

Δm_d 0.545±0.034 ps^{-1}

RSF 0.814±0.023

number of vertices: 7844



The world average for Δm_d as of Moriond 2001 is 0.484 ± 0.010 ps^{-1}.

BR w/ kaons

JLW-2

Systematic Errors

B_u Lifetime	±0.001
B_d Lifetime	±0.002
B_s Lifetime	±0.000
Baryon Lifetime	±0.001
B_u Fraction	±0.005
B_d Fraction	±0.003
B_s Fraction	±0.002
Baryon Fraction	±0.002
Udsc Fraction	±0.001
B_u RSF	±0.012
Baryon RSF	±0.007
Δm_s	±0.001
Boost Resolution	±0.018
Decay Length Resolution	±0.001
Tracking Resolution	±0.005
Track Multiplicities	±0.004
$\pi^{\pm}$ Misidentification	±0.003
Initial State Tagging	±0.005

#2

#3

#1

SLD

Preliminary Result:

$\Delta m_d = 0.545 \pm 0.034 \pm 0.025\ ps^{-1}$

Statistics limited!

(First time for Kaon analysis!)