

B_d Mixing w/Kaon Tag Update.

I. New + Improved Results.

What Changed?

- Kalman Re-fitting
- Separate B Params.

These results are the "preliminary" results for APS.

What I'm up to

- Checking (ok, triple checking) all params.

- Running Systematics

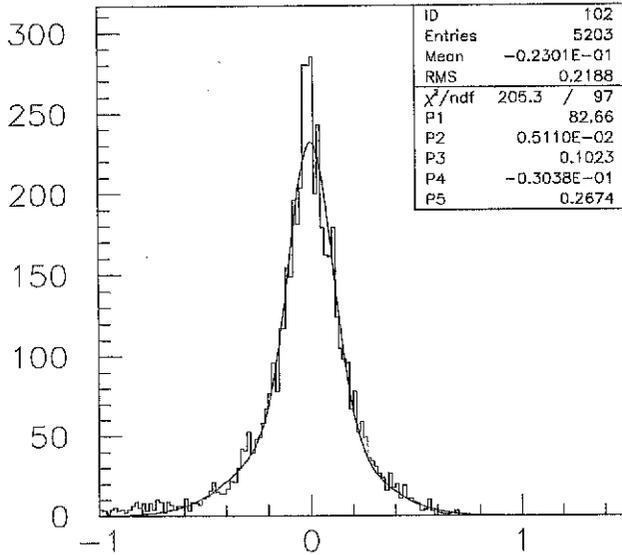
Will show APS result + systematics next week.
"final preliminary"

1st B_d Mixing Result from SLD
in Five Years!!

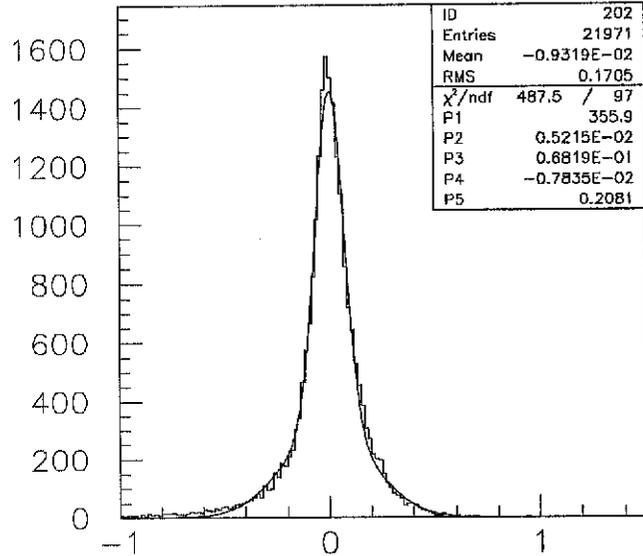
JLW-~~1~~

New Boost

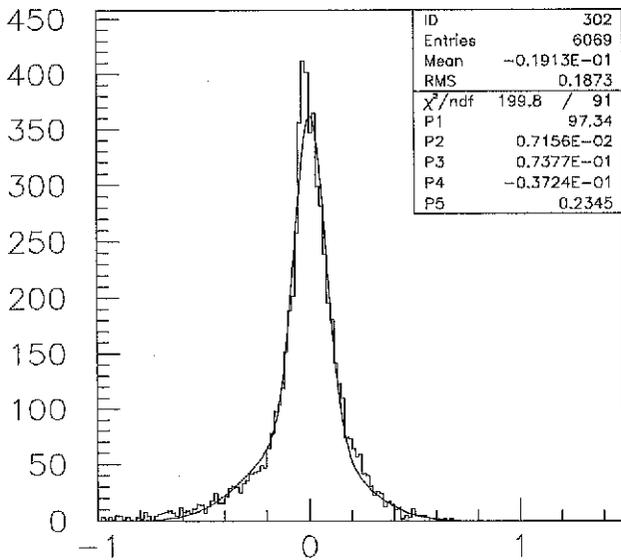
2001/03/19 11.10



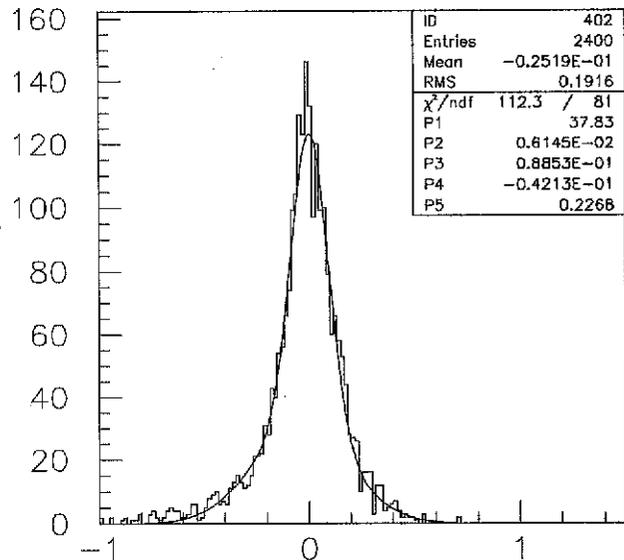
bu boost



bd boost



bs boost



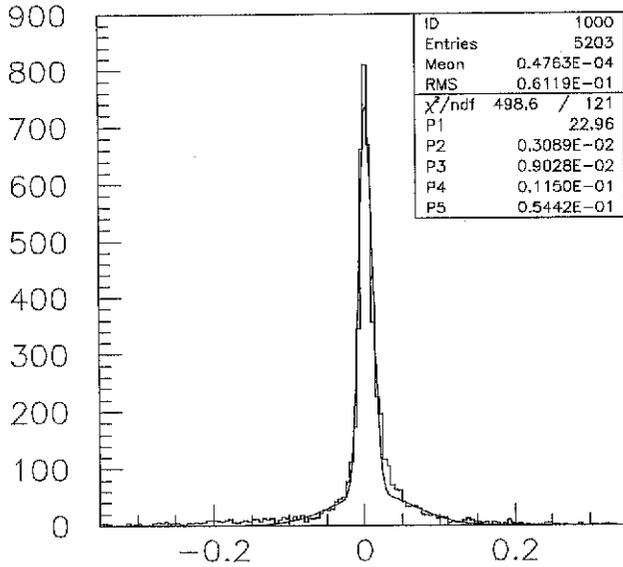
bary boost

Old: $\sigma_c = 0.073$
 $\sigma_b = 0.2367$

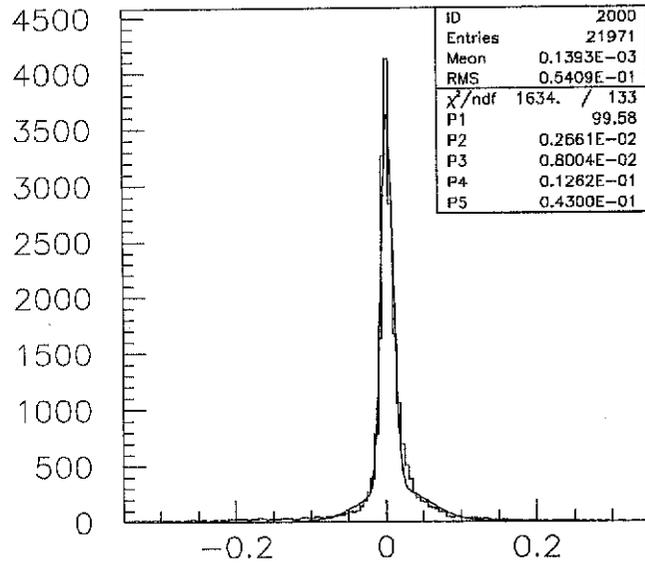
JZW-2

New Decay Length

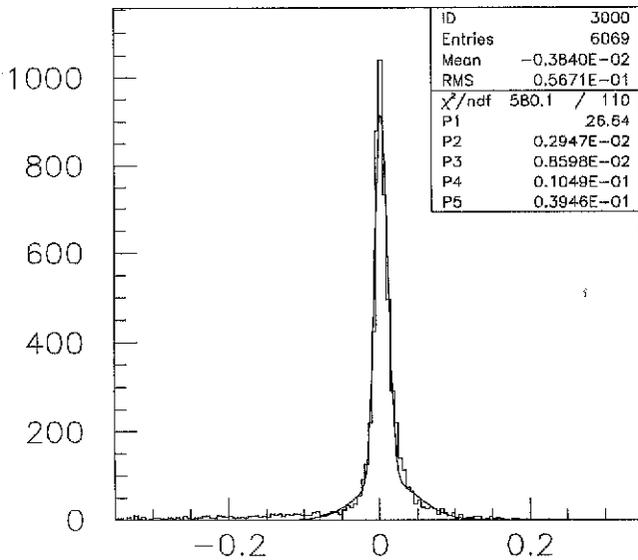
2001/03/19 10.59



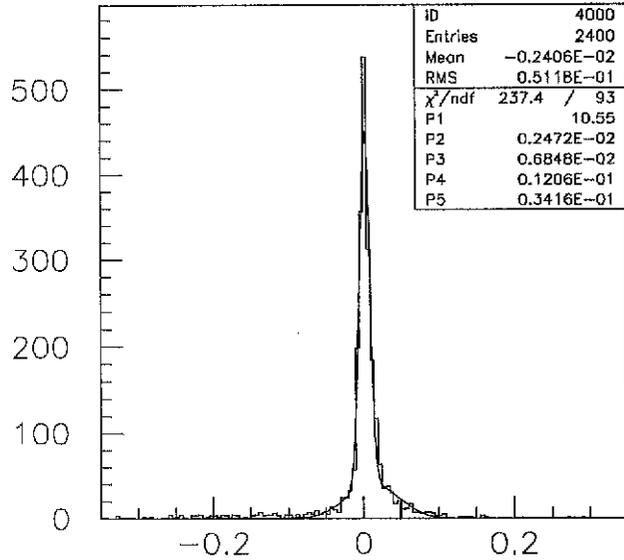
bu declen all



bd declen all



bs declen all



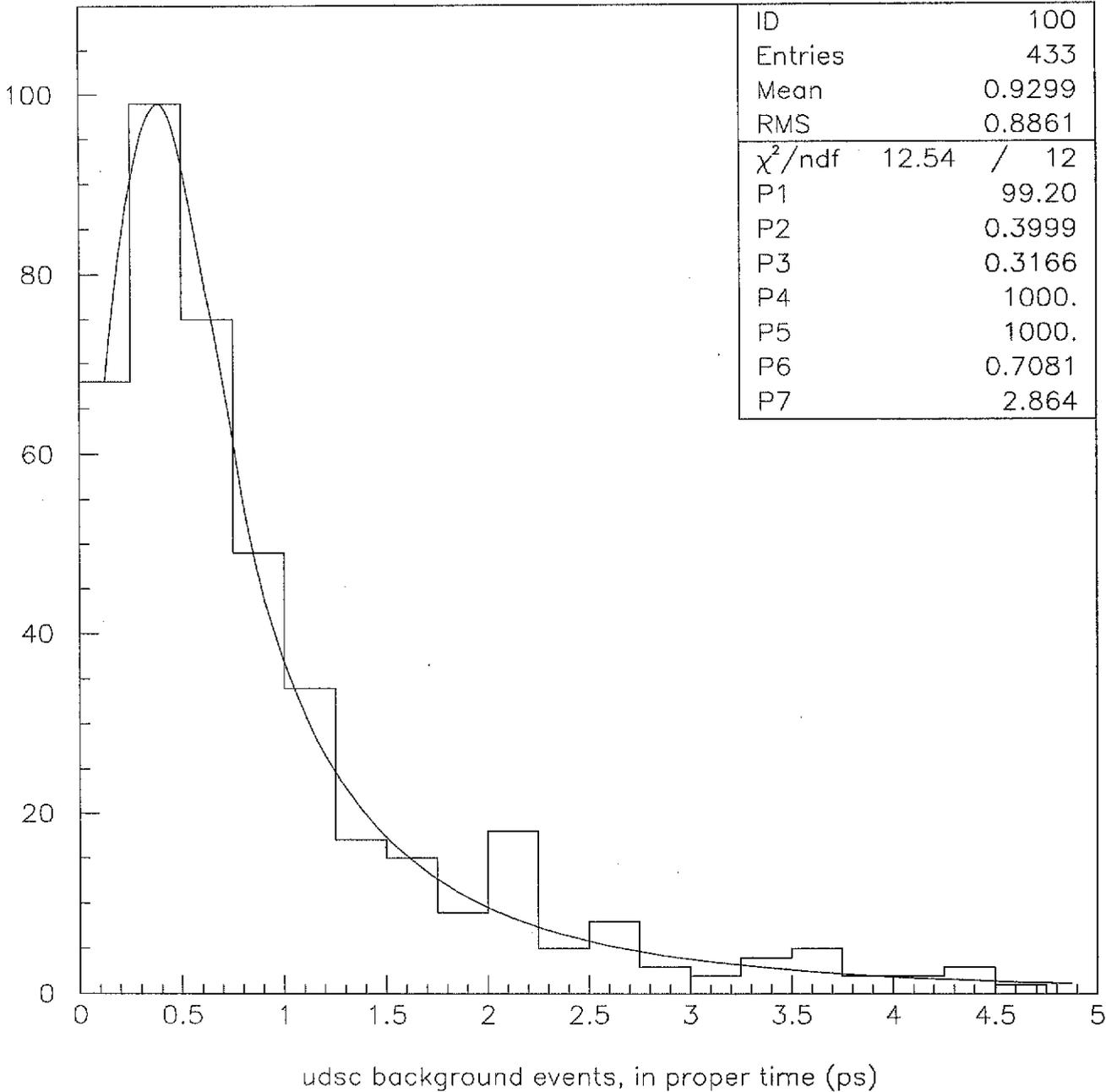
bary declen all

Old: $\tau_c = .100 \cdot 10^{-11}$
 $\sigma_c = .683 \cdot 10^{-11}$

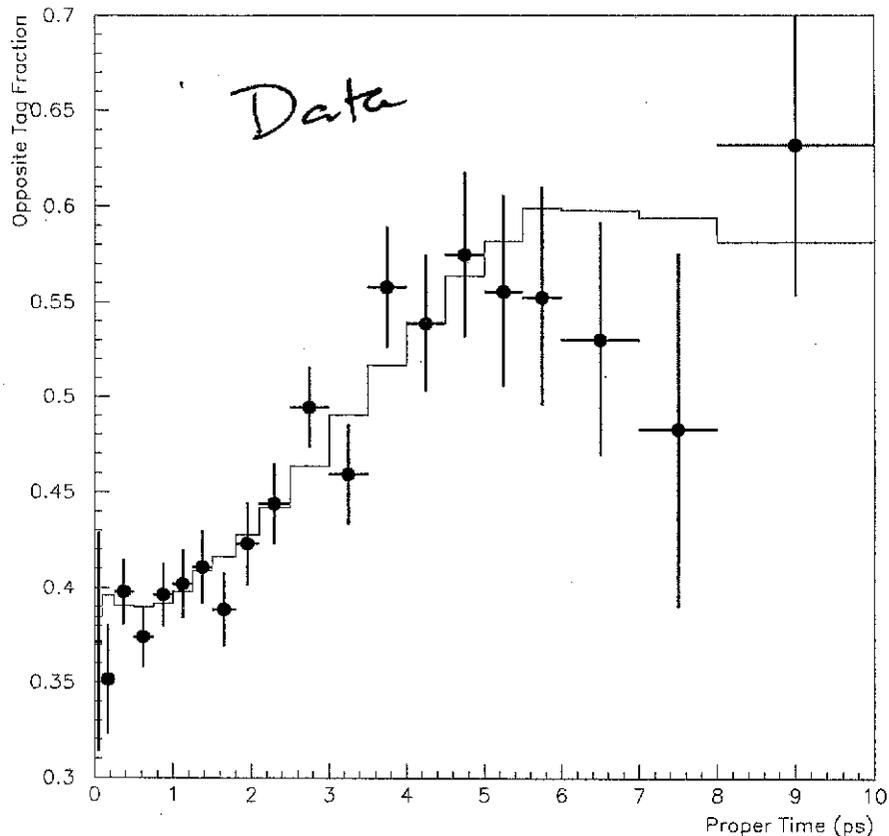
J2W_3

New Udsc

2001/03/22 10.14



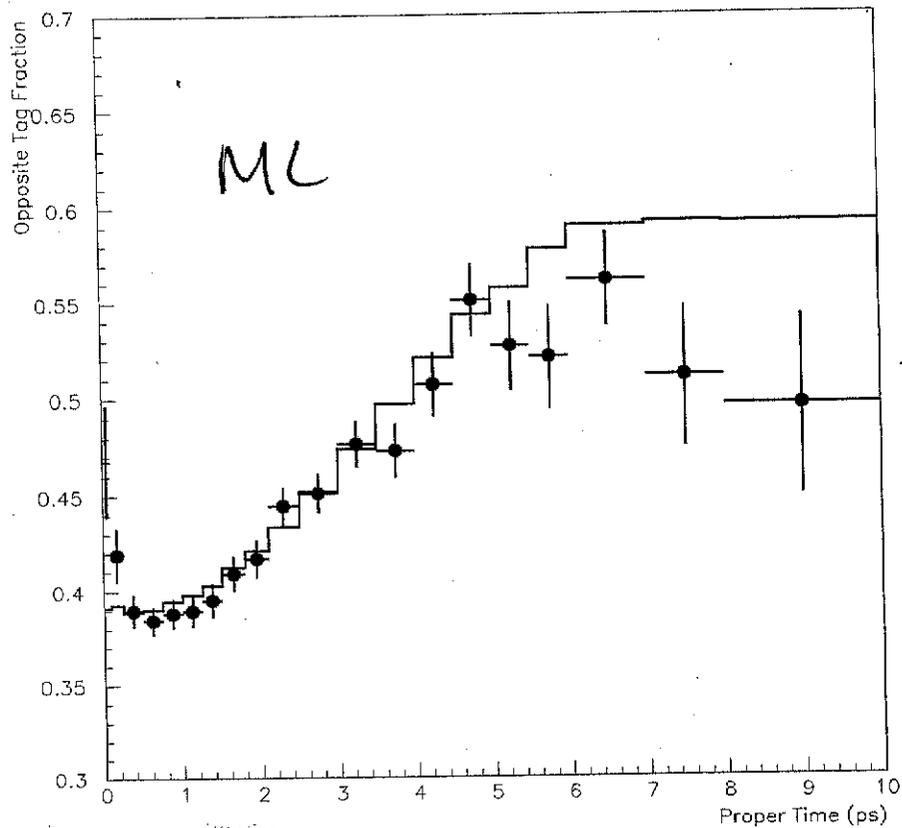
JLW 4



ϕ Mixed Fraction
 — Fit

Data:

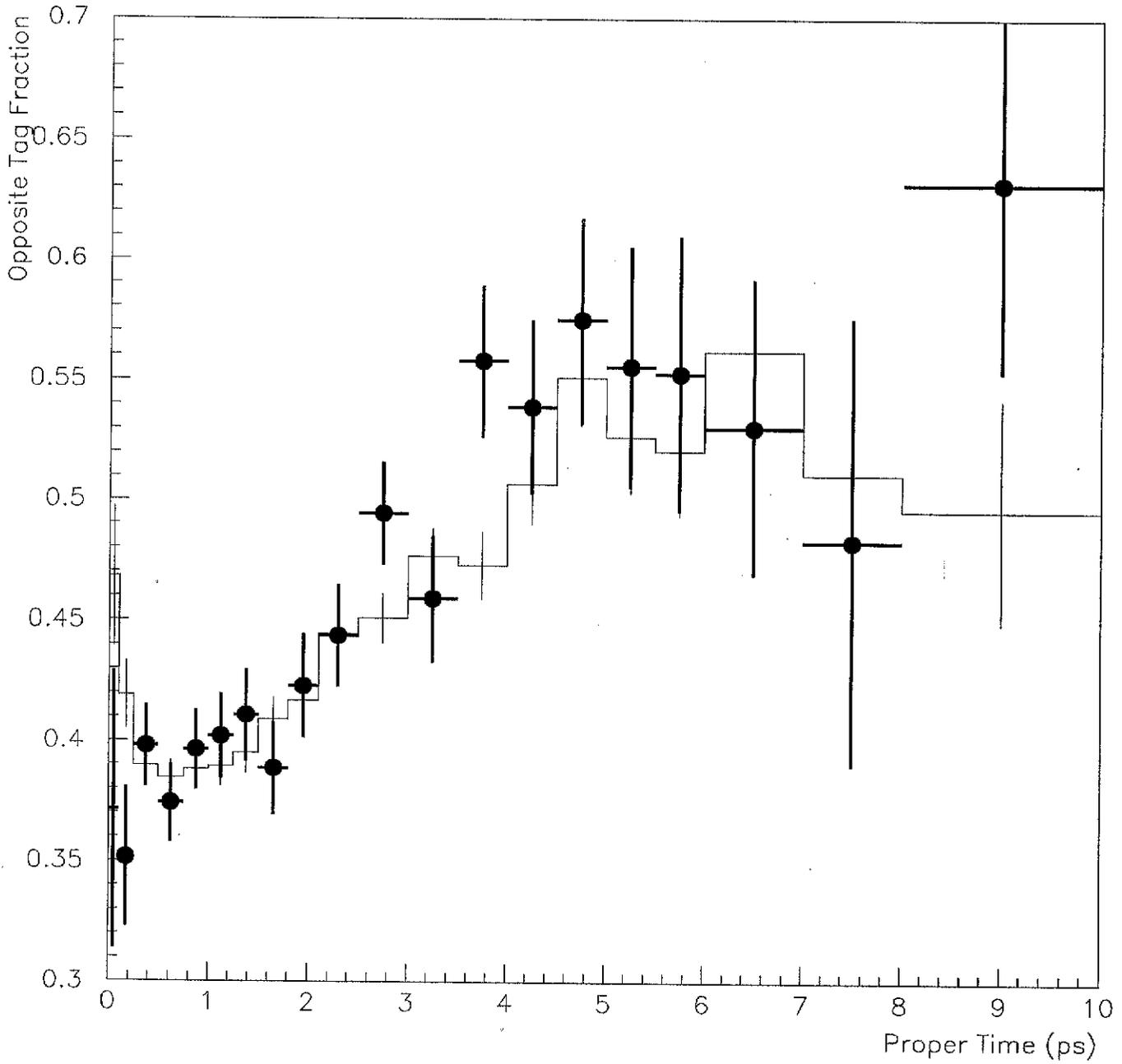
Scan $1540 \pm .035$
 1-D $1540 \pm .039$
 2-D Am $1547 \pm .035$
 RSF $1815 \pm .023$



MC:

Scan $1485 \pm .0175$
 1-D $1485 \pm .016$
 2-D Am $1487 \pm .016$
 RSF $1802 \pm .010$

D.W-6



JLW-5