

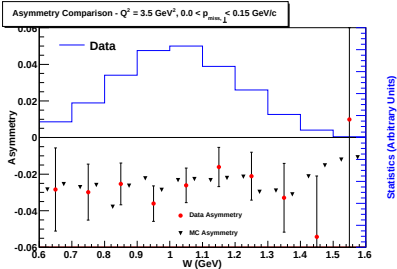
# E02-013 Analysis Update

Seamus Riordan

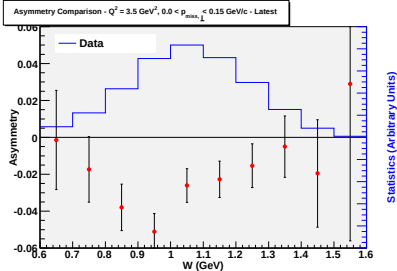
June 10, 2009

# A vs. W, Kin 3, QE - Before vs. Now

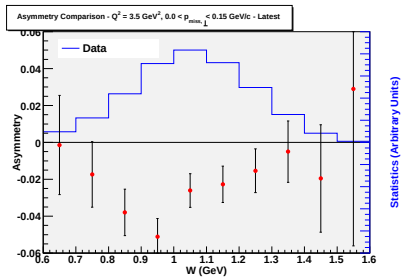
Before



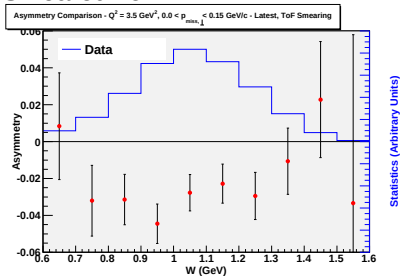
Now



# A vs. W, Kin 3, QE - Smeared ToF Compare

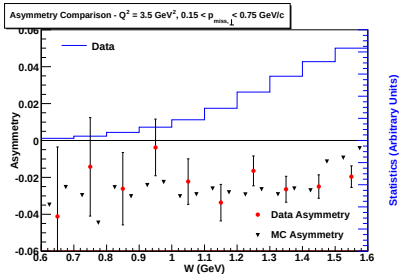


## Smeared ToF

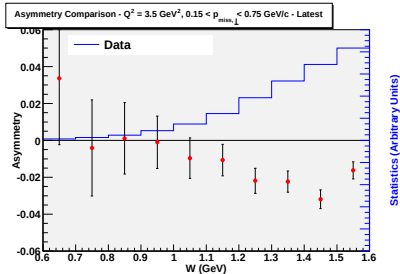


# A vs. W, Kin 3, Inelastic

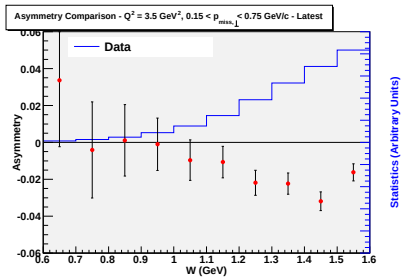
Before



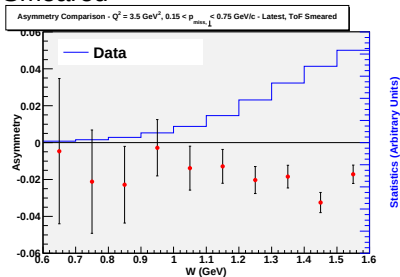
Now



# A vs. W, Kin 3, Inelastic - Smeared ToF

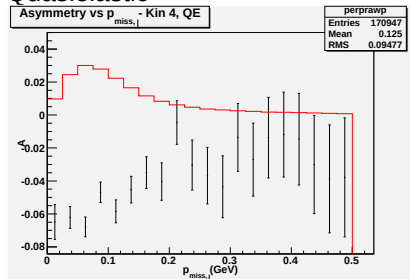


## Smeared

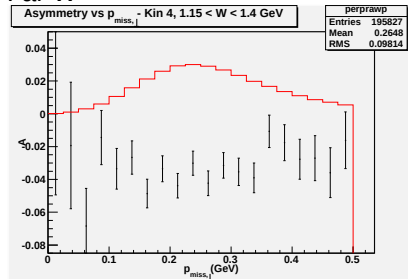


# Kin4 vs $p_{\text{miss},\perp}$

## Quasielastic

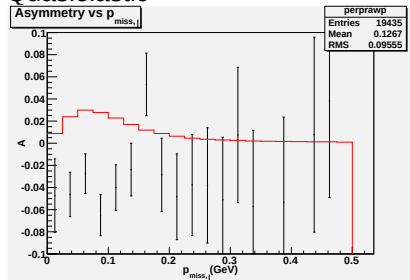


## Far W

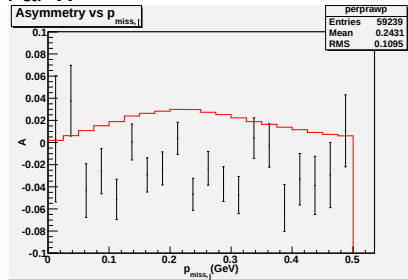


# Kin3 vs $p_{\text{miss},\perp}$

## Quasielastic



## Far W



Shifting time of flight  $\pm 0.3$  ns

|                                  | $N_{QE}$ | $A_{raw}$          |
|----------------------------------|----------|--------------------|
| Unchanged                        | 13164    | $-0.045 \pm 0.009$ |
| $t \rightarrow t + 0.3\text{ns}$ | 12184    | $-0.044 \pm 0.009$ |
| $t \rightarrow t - 0.3\text{ns}$ | 10469    | $-0.056 \pm 0.010$ |

Not really the effect we were hoping for...



# Conclusions

- ▶ Going to look at BigBite momentum effects
- ▶ Really need to look at Kin 2
- ▶ Going to start Kin 3 Monte Carlo comparisons