$Q^2 = 2.1$ GeV^2, $W = 2.95$ GeV

$Q^2 = 3.0$ GeV^2, $W = 3.14$ GeV

$Q^2 = 4.4$ GeV^2, $W = 2.74$ GeV

$Q^2 = 5.5$ GeV^2, $W = 3.02$ GeV

$Q^2 = 3.0 \text{ GeV}^2$, $W = 2.32 \text{ GeV}$

overlaps

Data Center

Data Right

$Q^2 = 3.0 \text{ GeV}^2$
$W = 2.32 \text{ GeV}$
$\phi = center$
$\epsilon = high$

$Q^2 = 3.0 \text{ GeV}^2$
$W = 2.32 \text{ GeV}$
$\phi = right$
$\epsilon = high$

SIMC Center

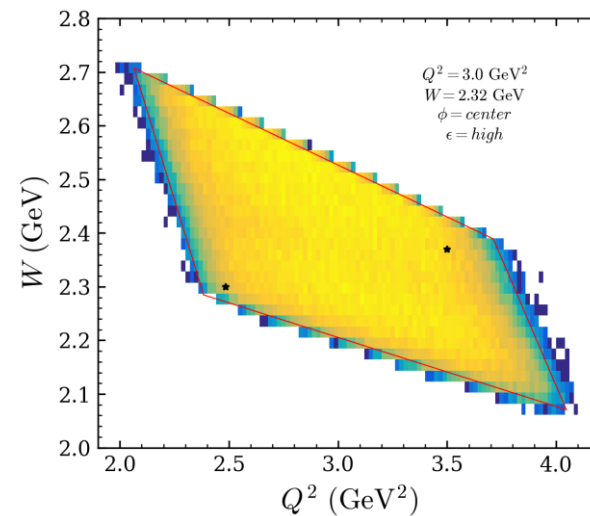$Q^2 = 3.0 \text{ GeV}^2$
$W = 2.32 \text{ GeV}$
$\phi = center$
$\epsilon = high$

Mm shifted, mm_cut = (1.10,1.14)

Q^2=3.0, W=3.14   Q^2=4.4, W=2.74
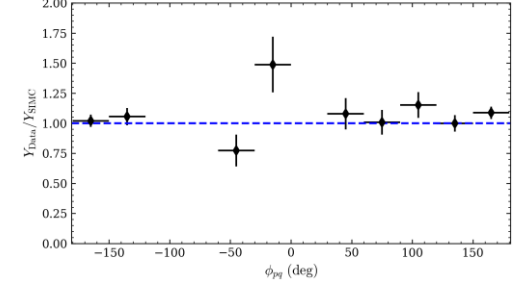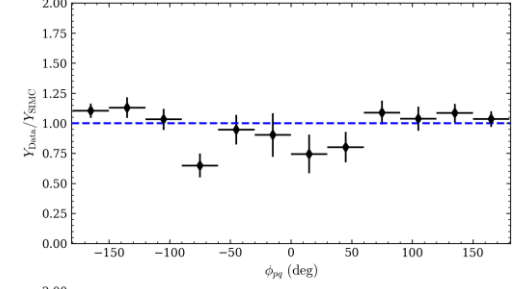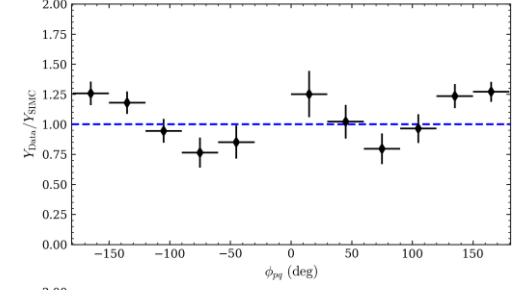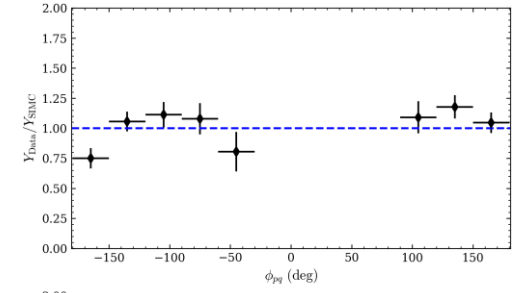
- L term smaller in larger Q^2
- Sigma_T > sigma_L in Q^2=4.4, W=2.74 ...
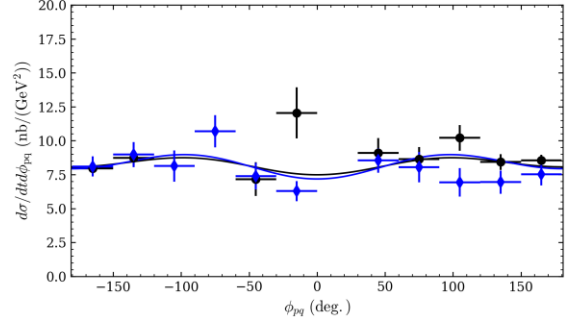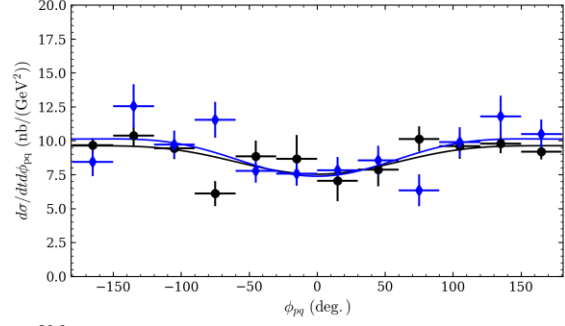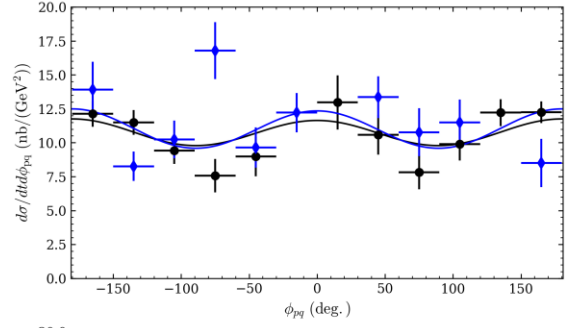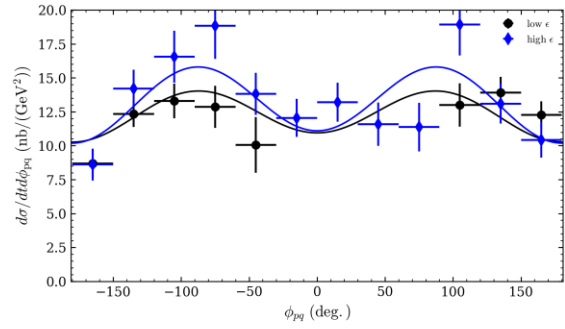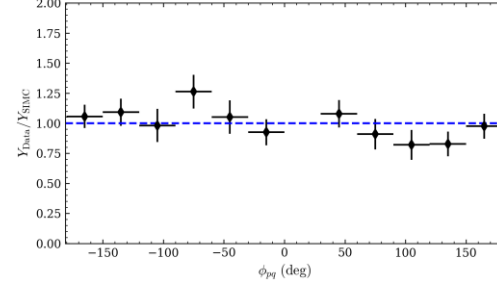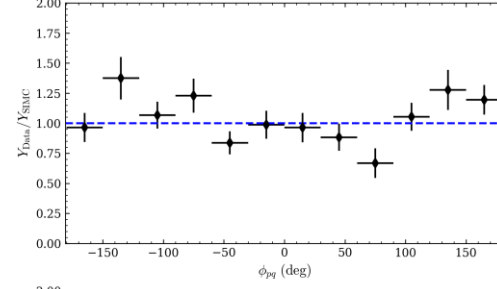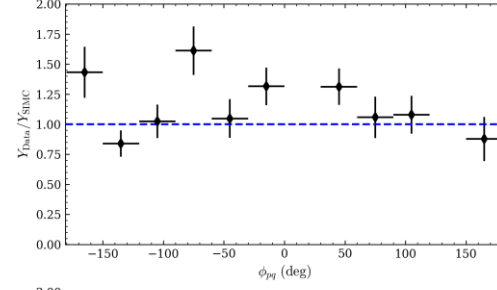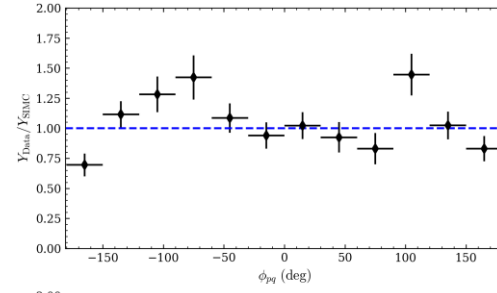
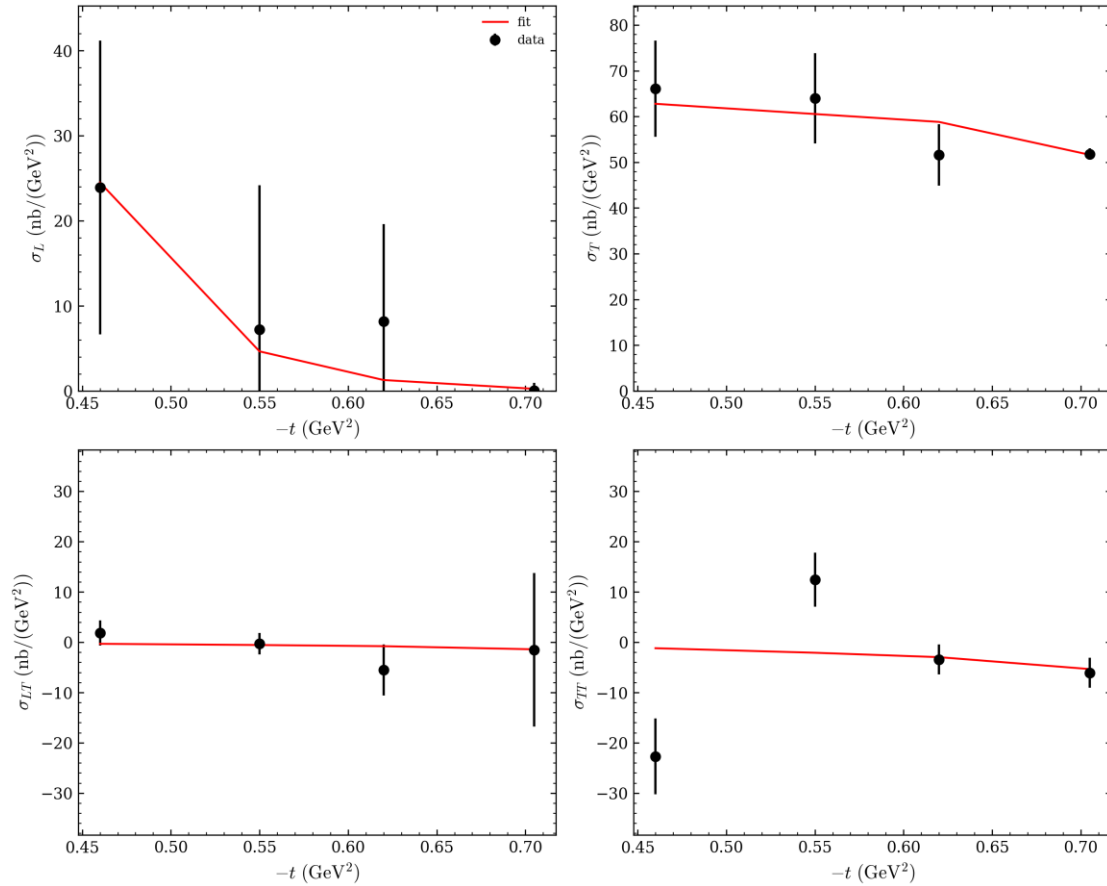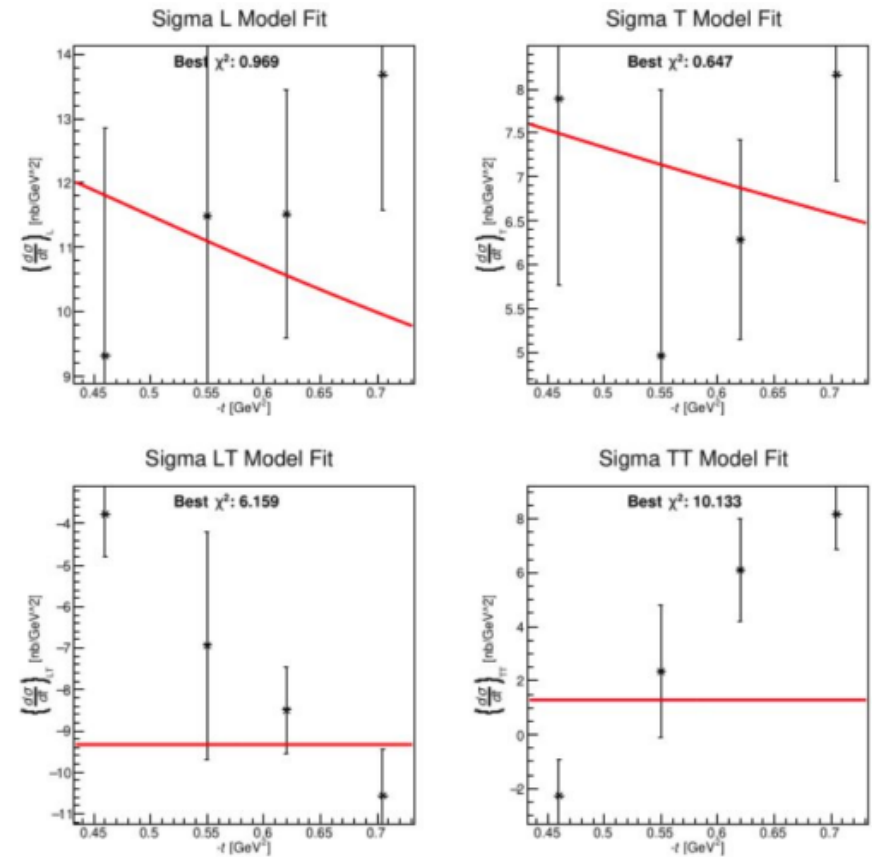High e   low e

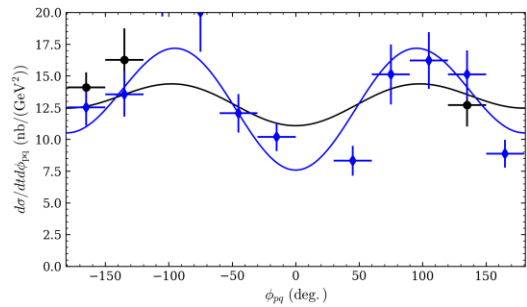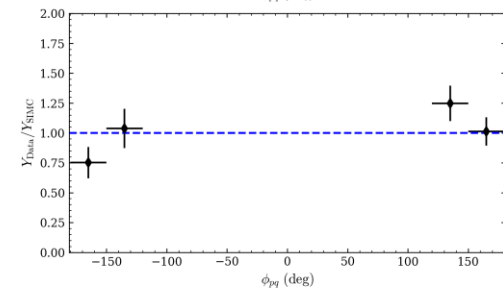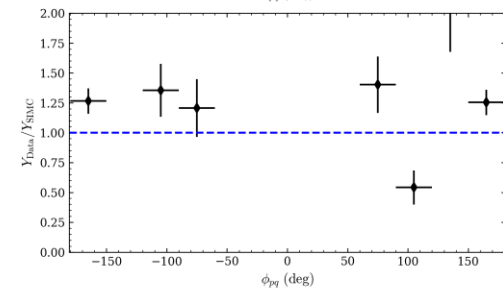# Q^2=4.4, W=2.74 | 1.10 ≤ M_K ≤ 1.14, 0.88 ≤ M_π ≤ 0.94
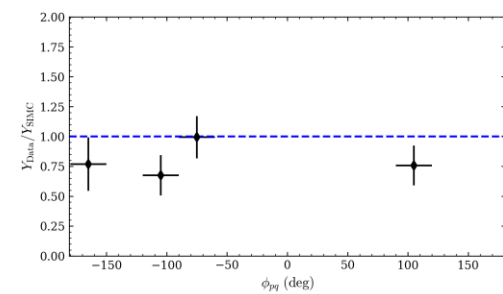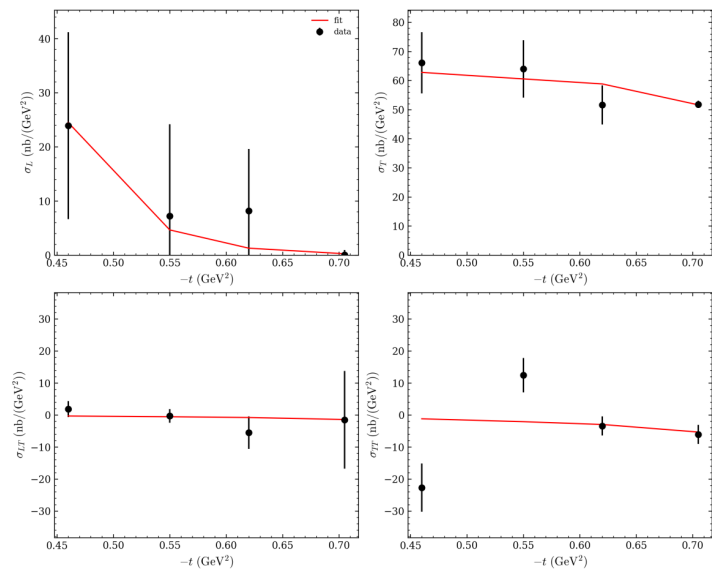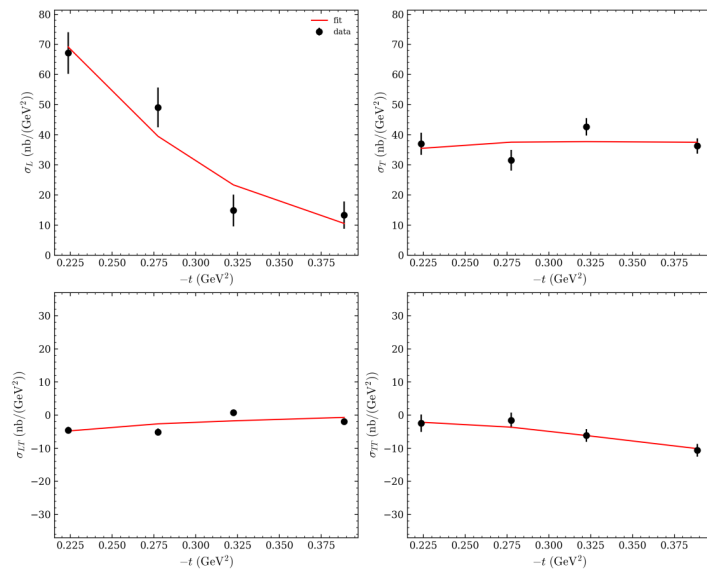

Kin

Richard 11/06/25

Q^2=2.1, W=2.95
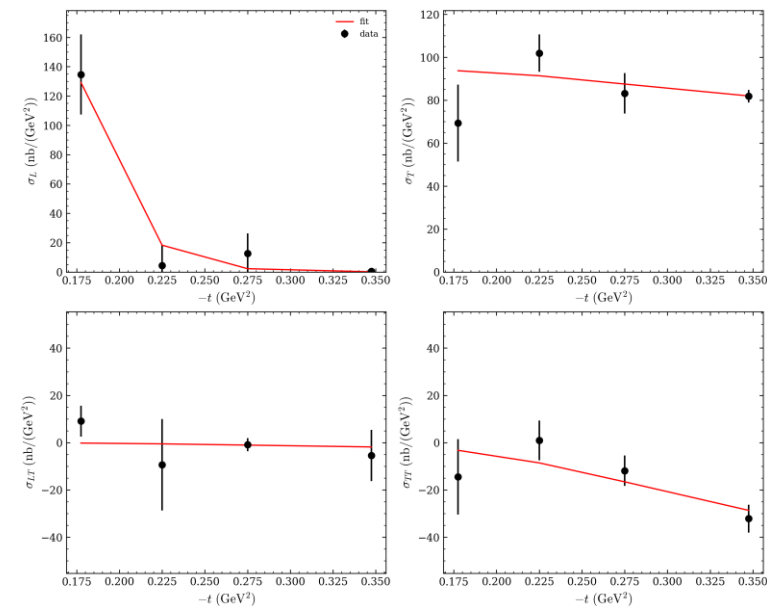

High e

low e
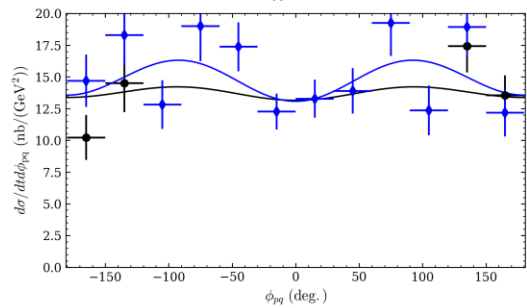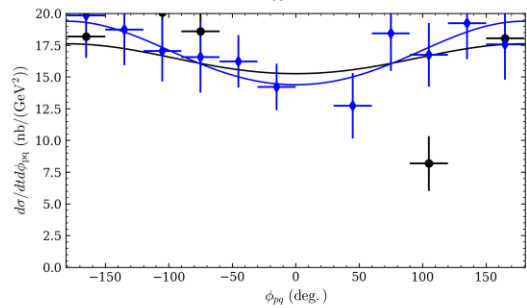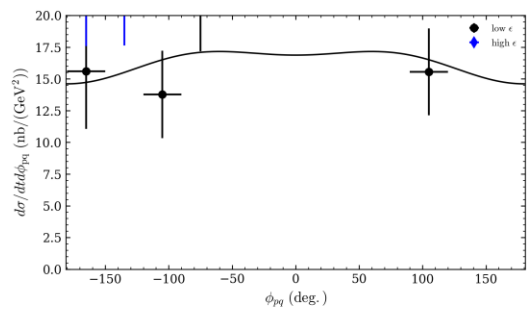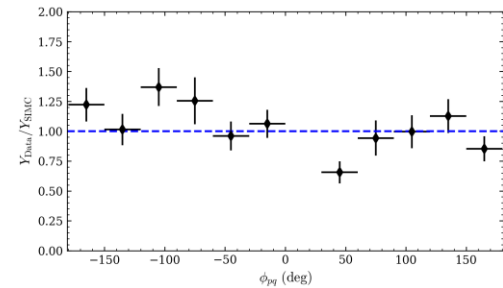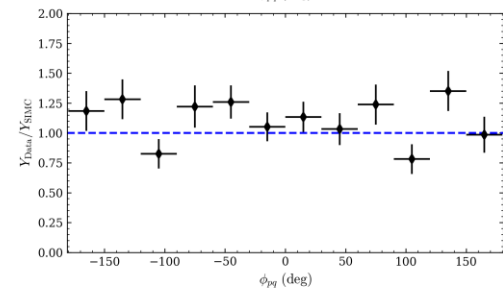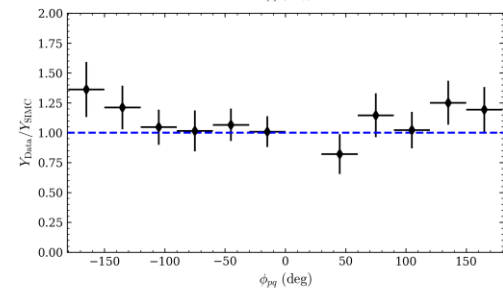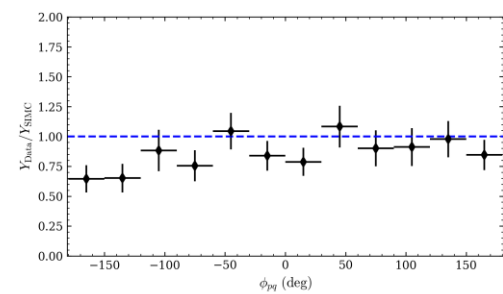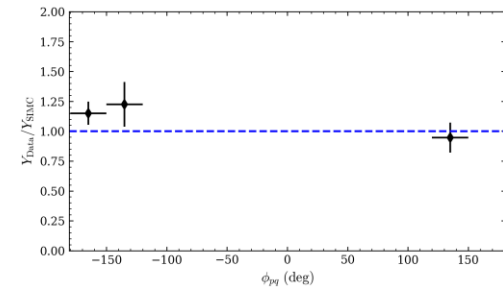
Result after slide
are to be verified

Q^2=4.4, W=2.74
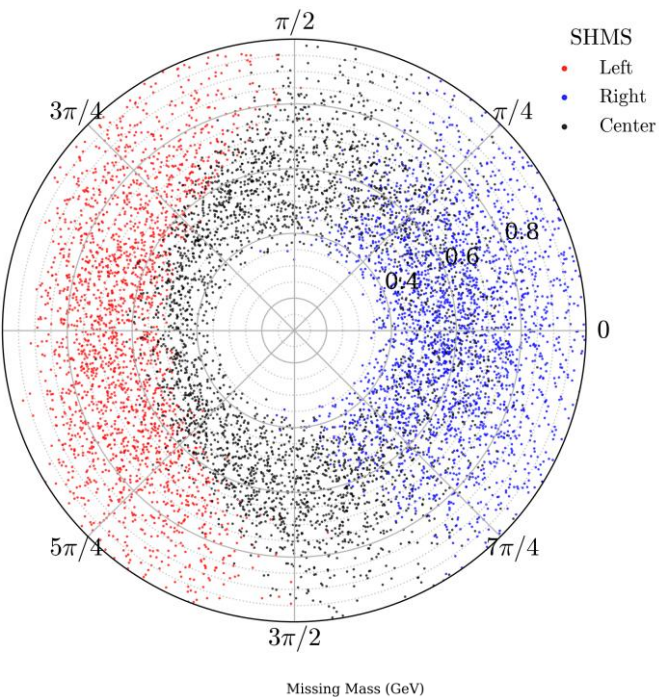
Q^2=3.0, W=3.14

Q^2=2.1, W=2.95

Center highe first t bin
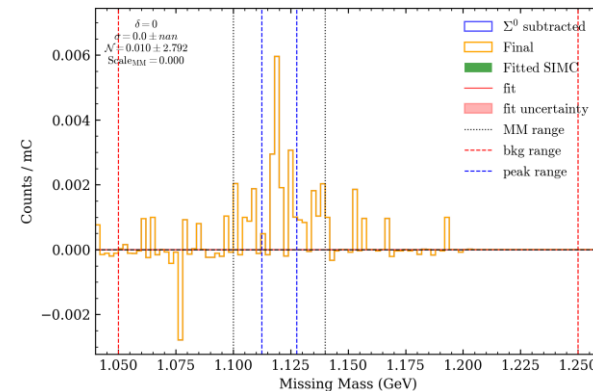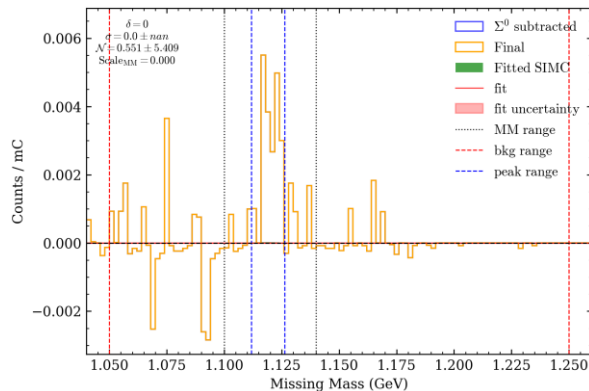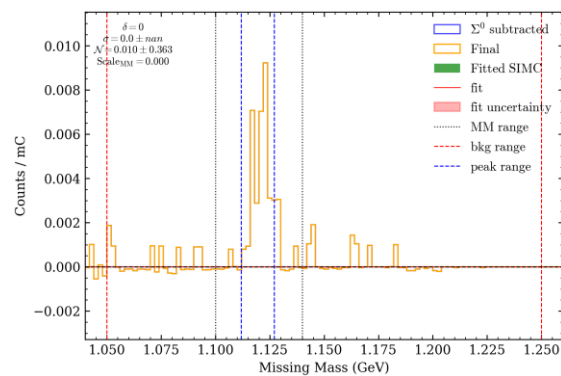
Need to rebin to 4x10
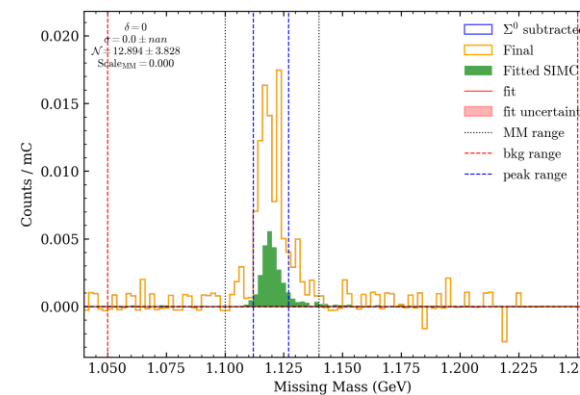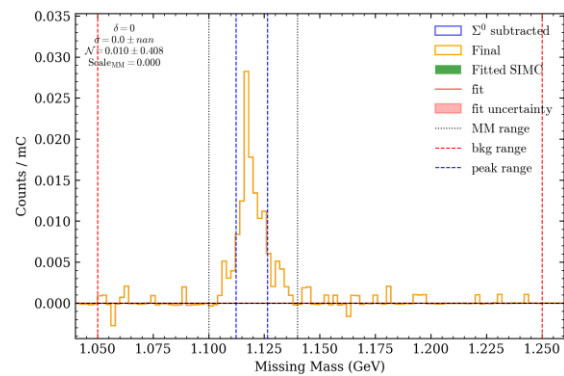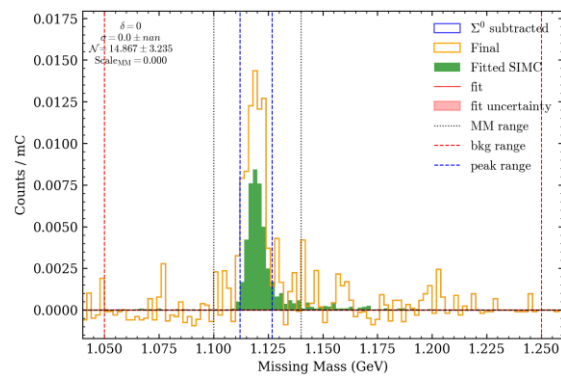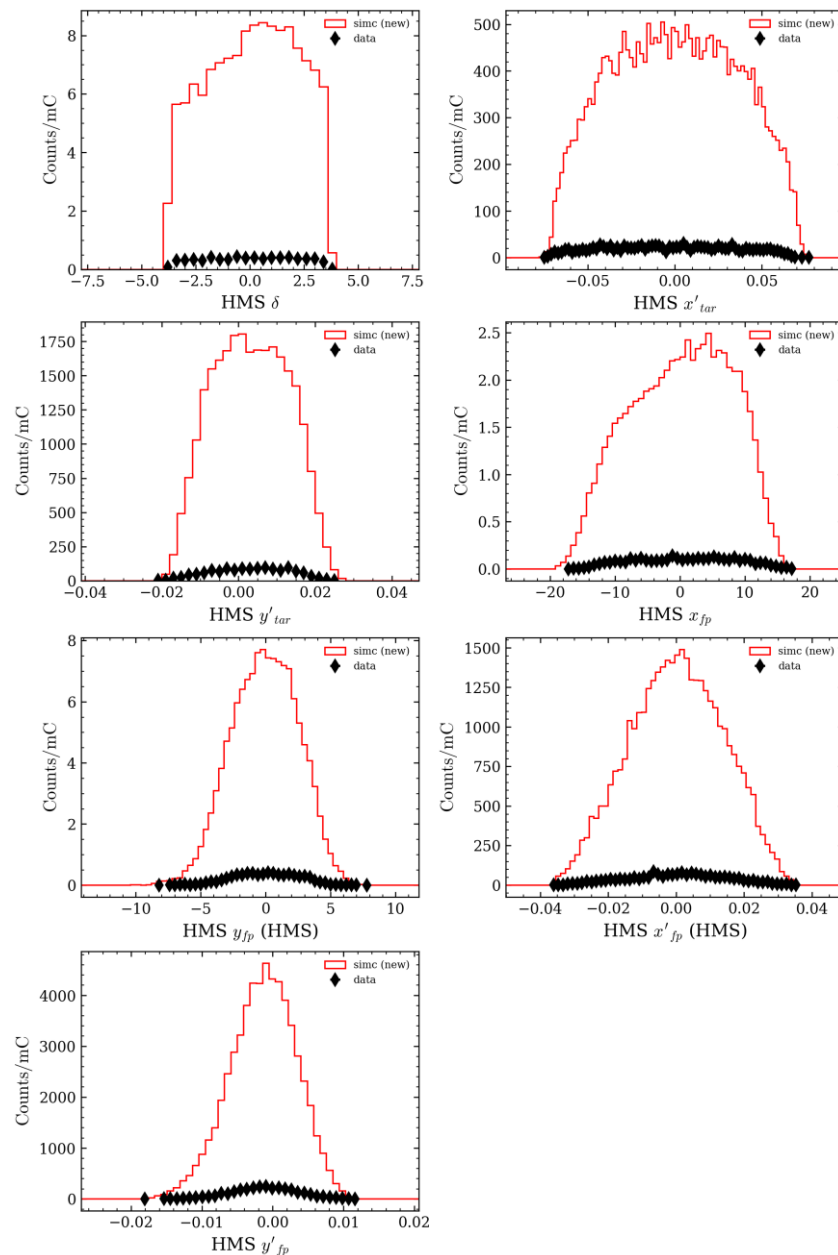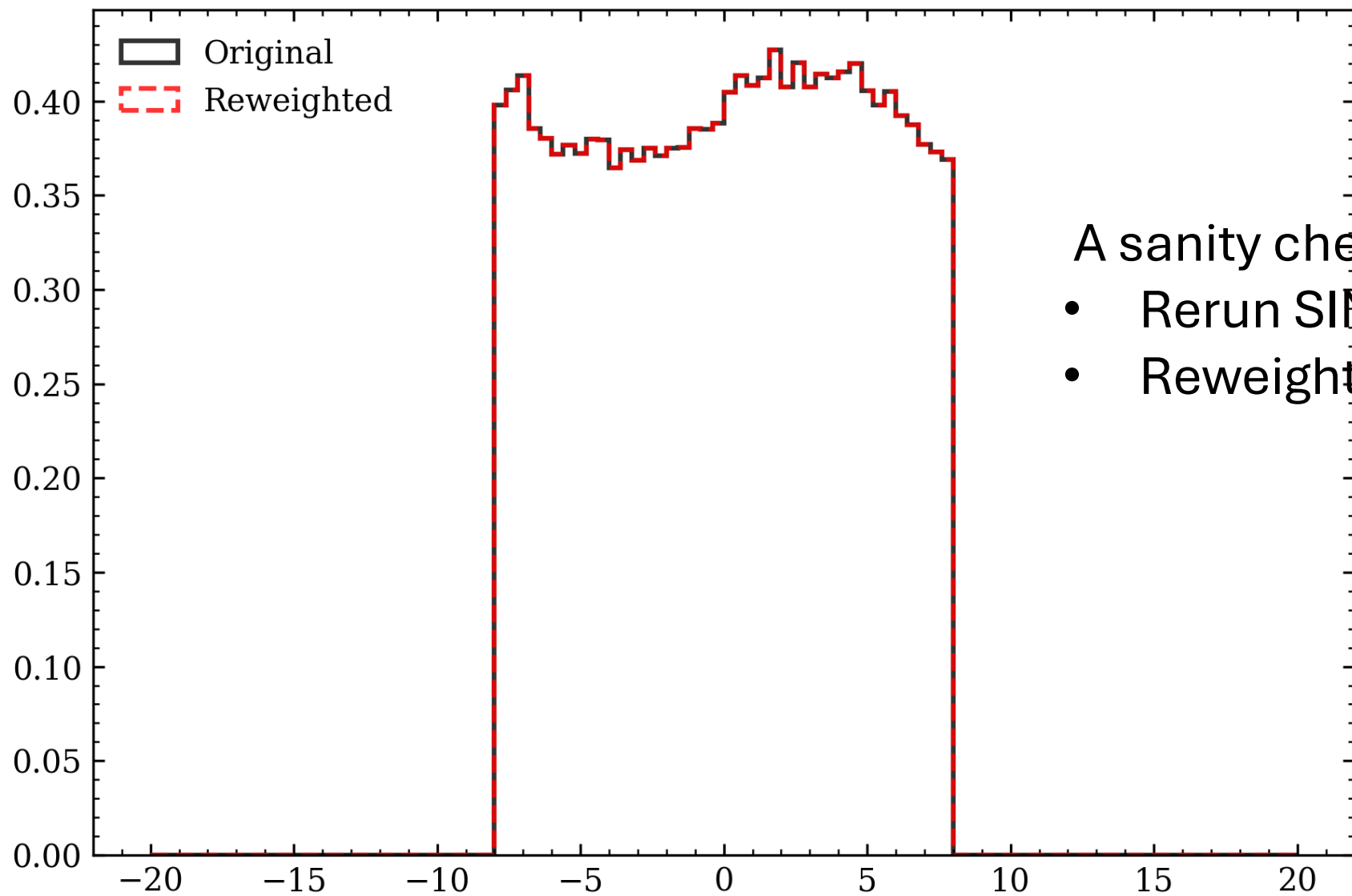
Sanity check …

- Took a parameter from Richard's directory and use it my SIMC reweight → mismatch

- Difference in reweight scheme ?

A sanity check comparing
- Rerun SIMC
- Reweighting