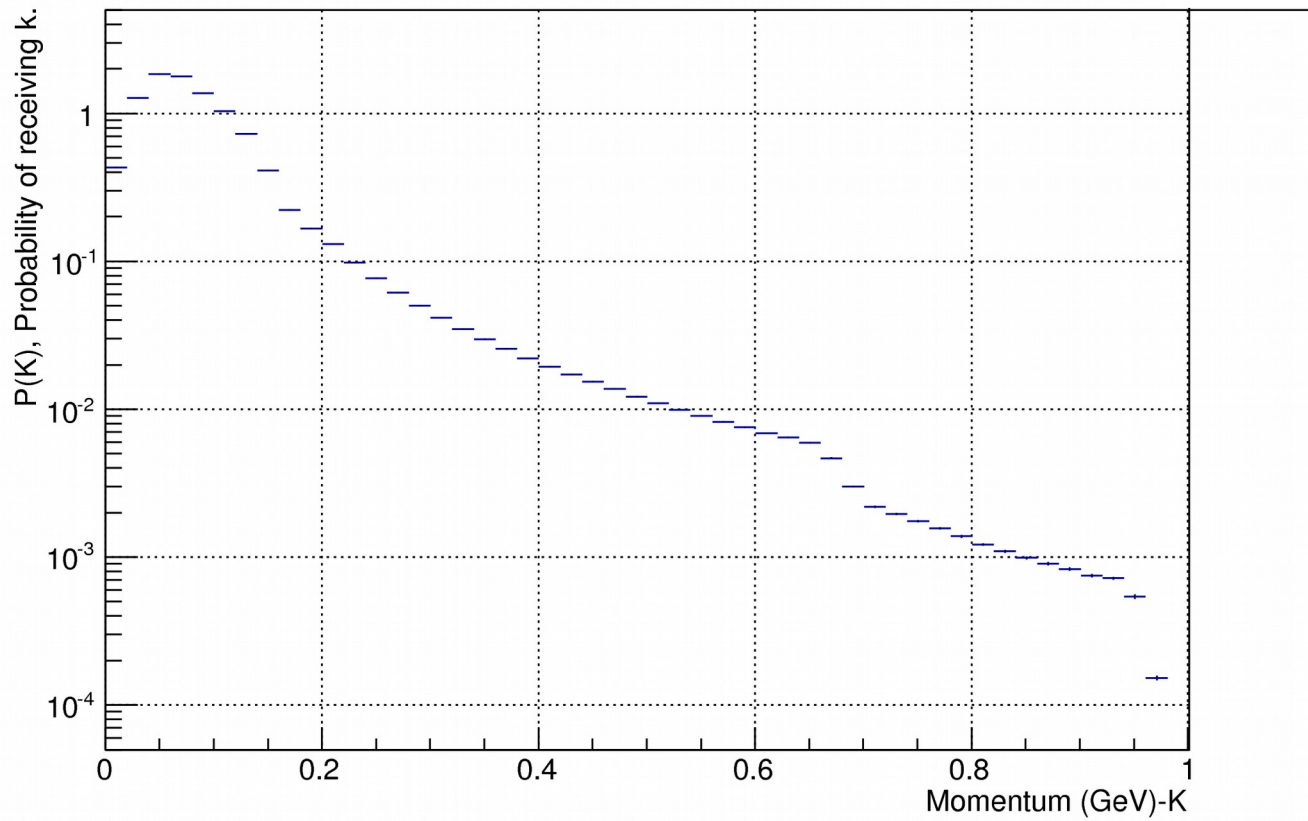


Current goal.

- Continue to smooth out the the “base” run.
 - About 8-10 bins need some work to smooth out entire function
- Doug request that I change my method manipulating my base function
 - Instead of changing the coefficients for my original exp.
 - Add refitting each time,
 - Requiring new intersections and new fit function coefficients
 - Apply some scale factor to the “base” fit function

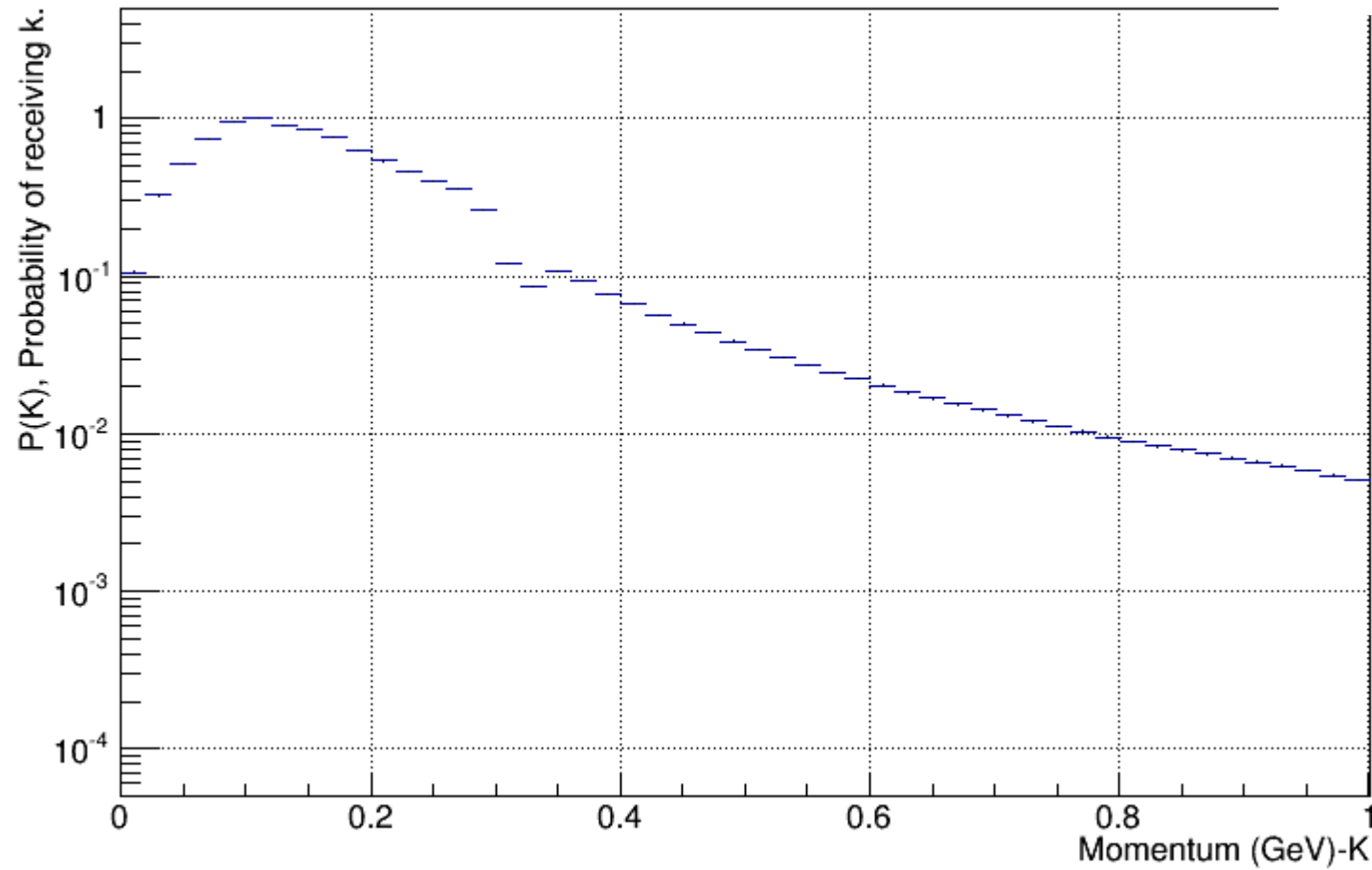
Run 89,



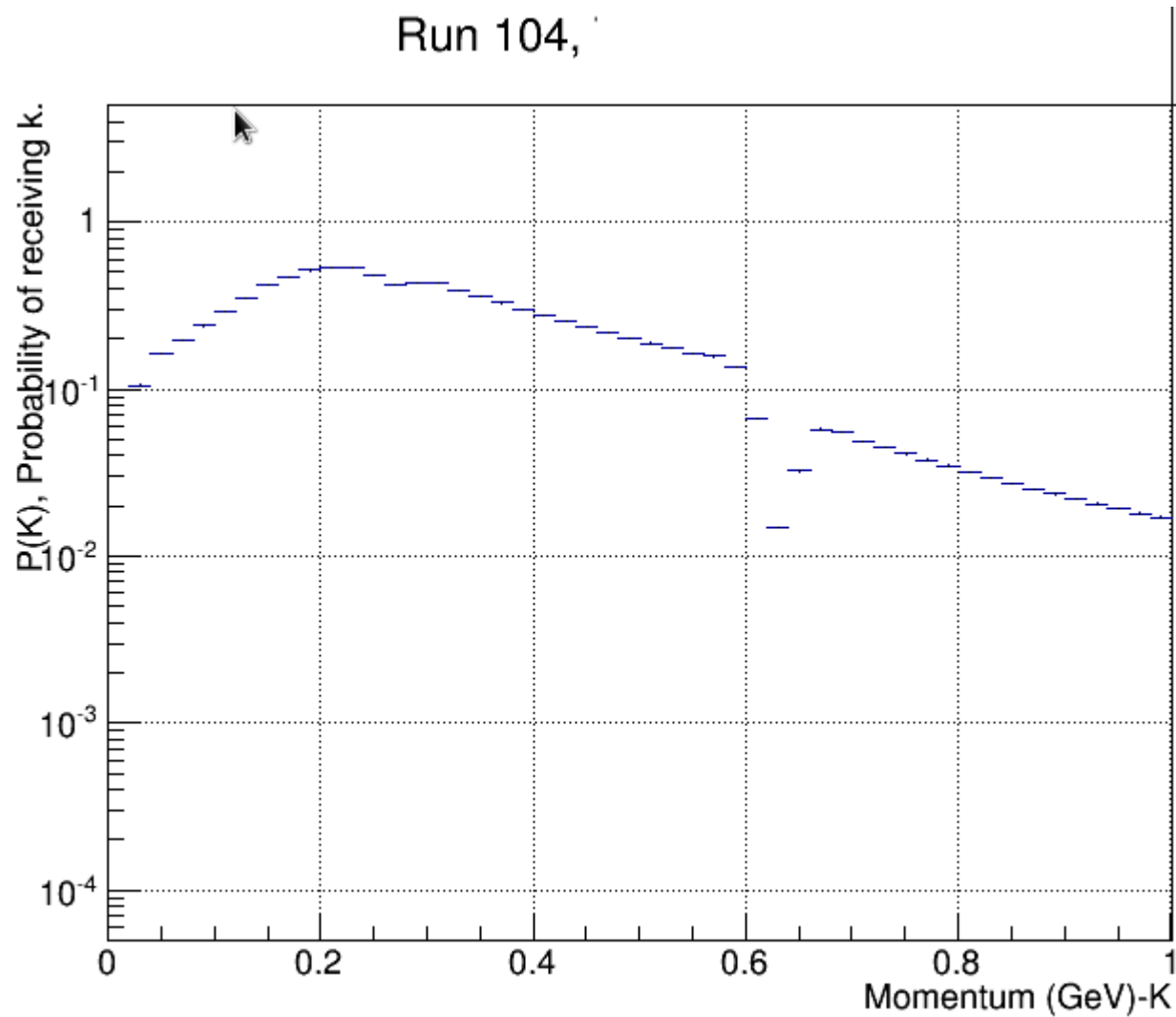
Scale the significant by 2

Run 102,

1

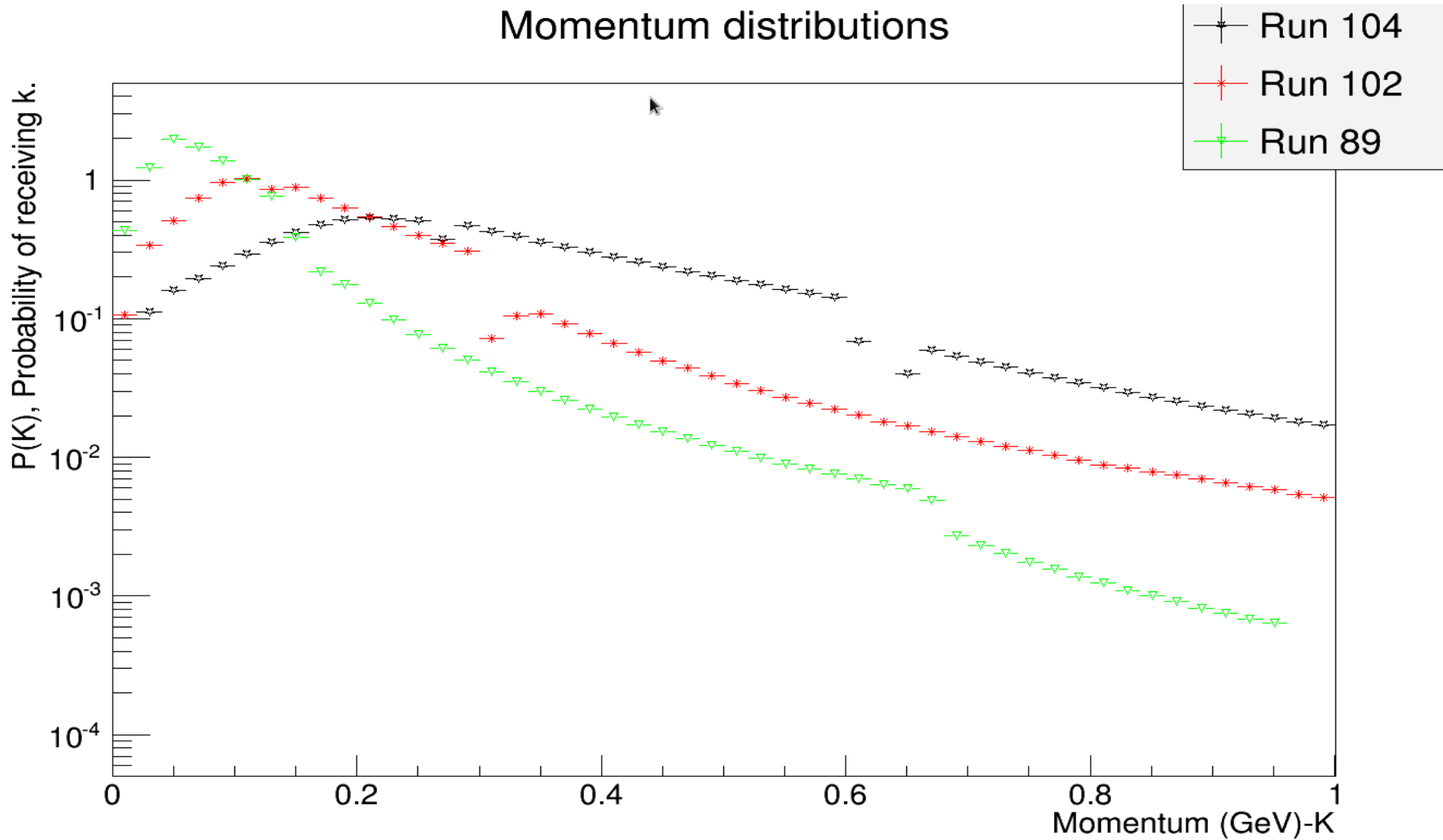


Scale the significant by 4

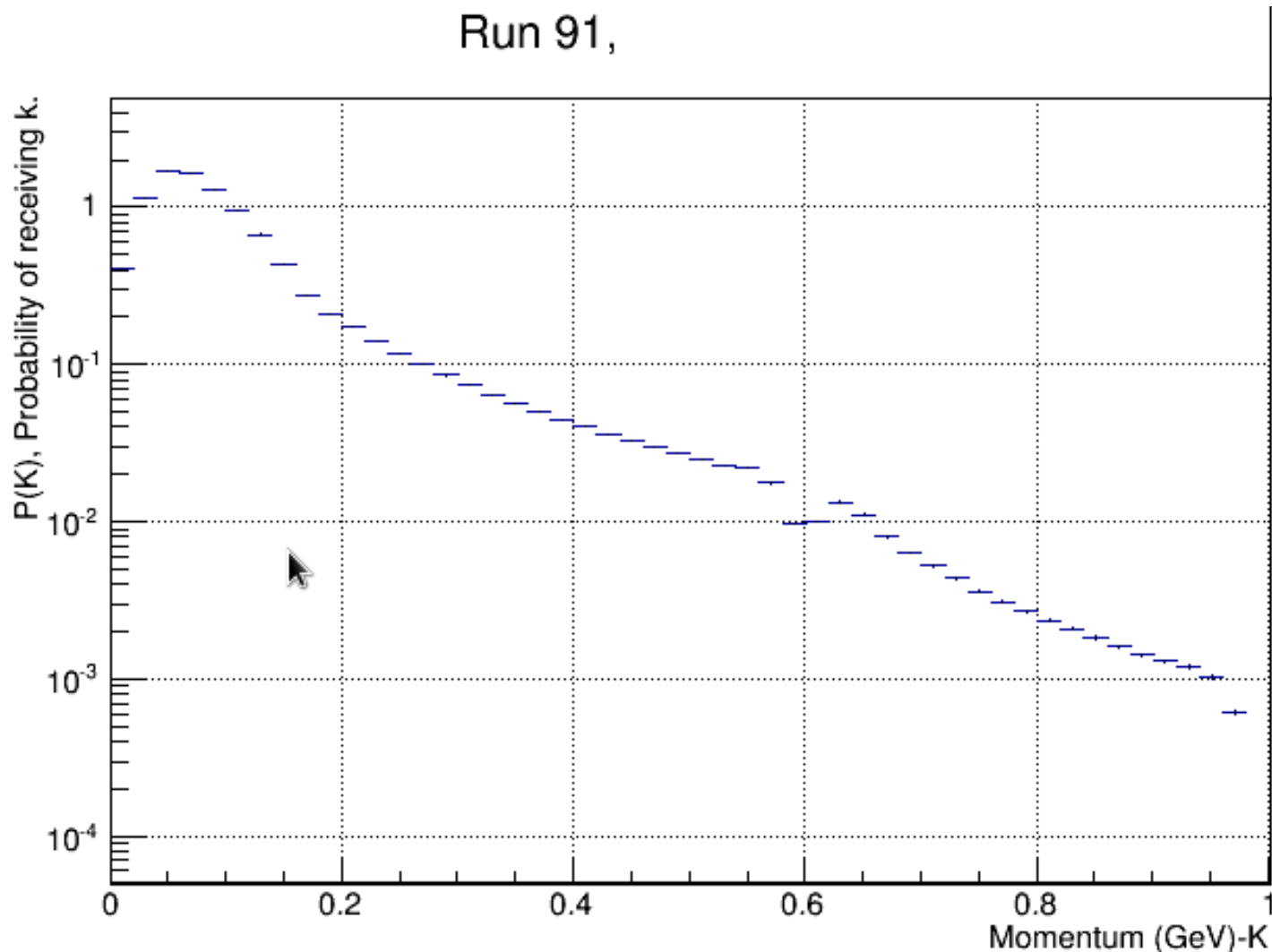


All three: Using scaling factor

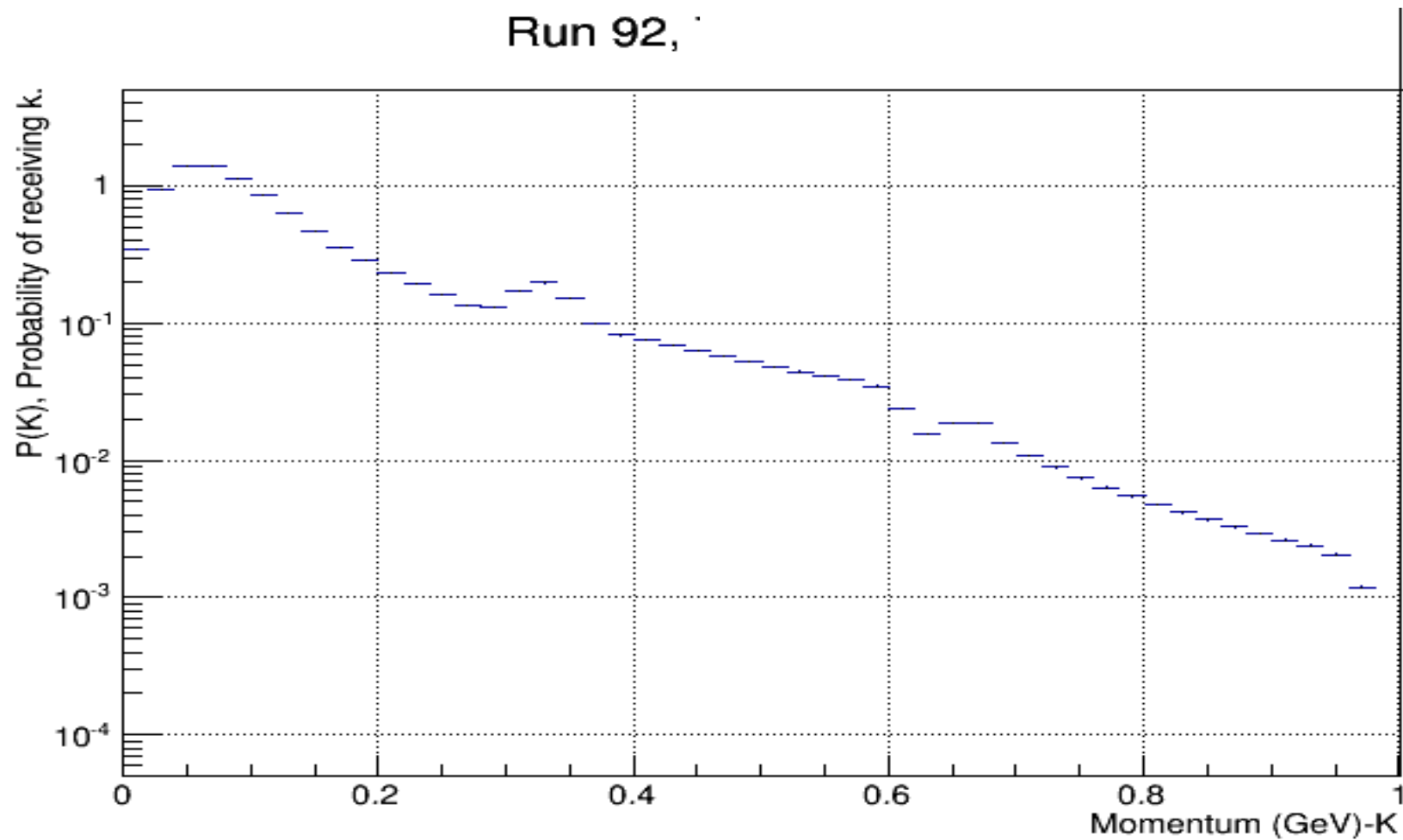
Momentum distributions



Changed expos and refit: second exp increase by factor of 2

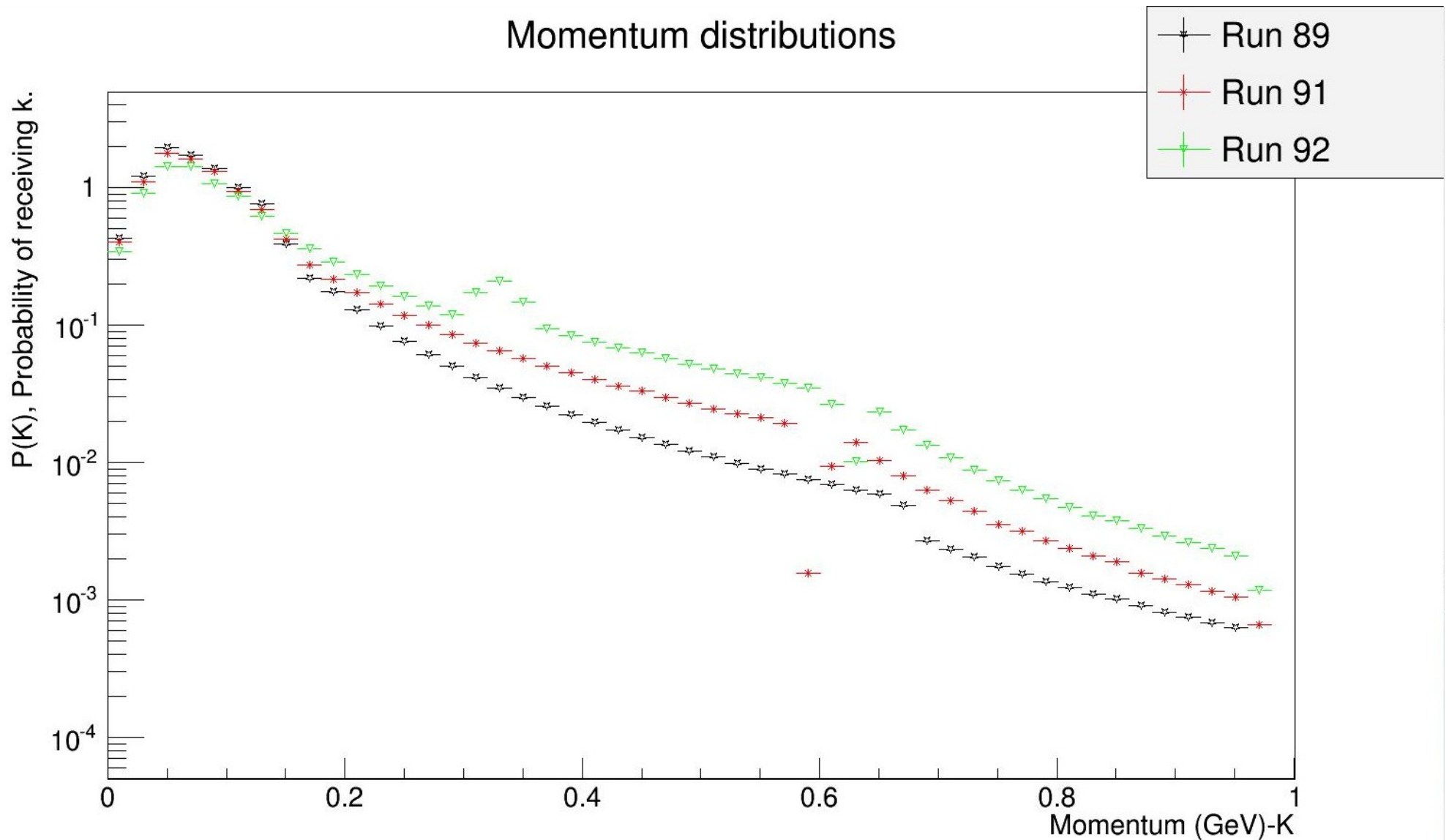


Changed expos and refit: second exp increase by factor of 4

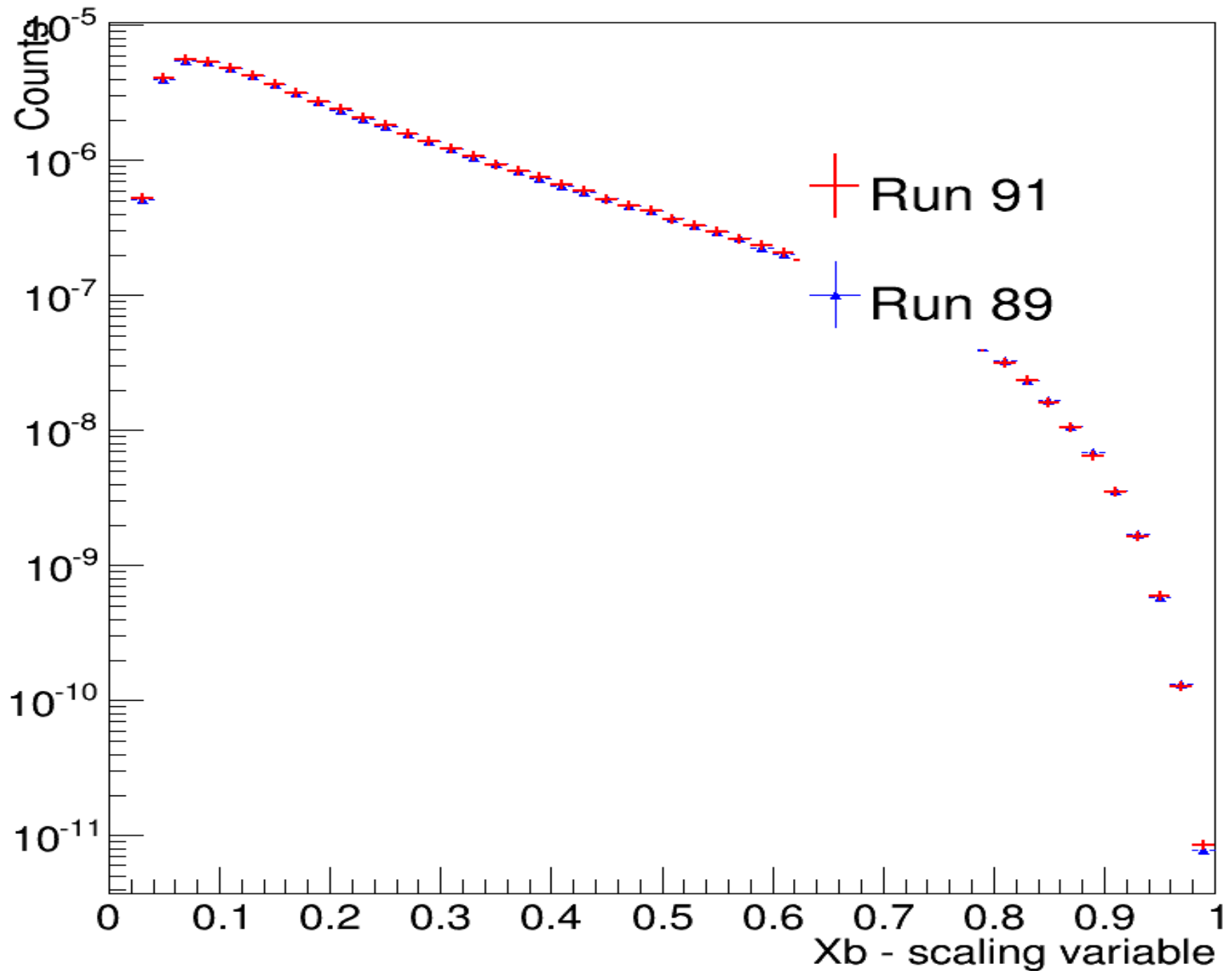


All three: Changing second exponential

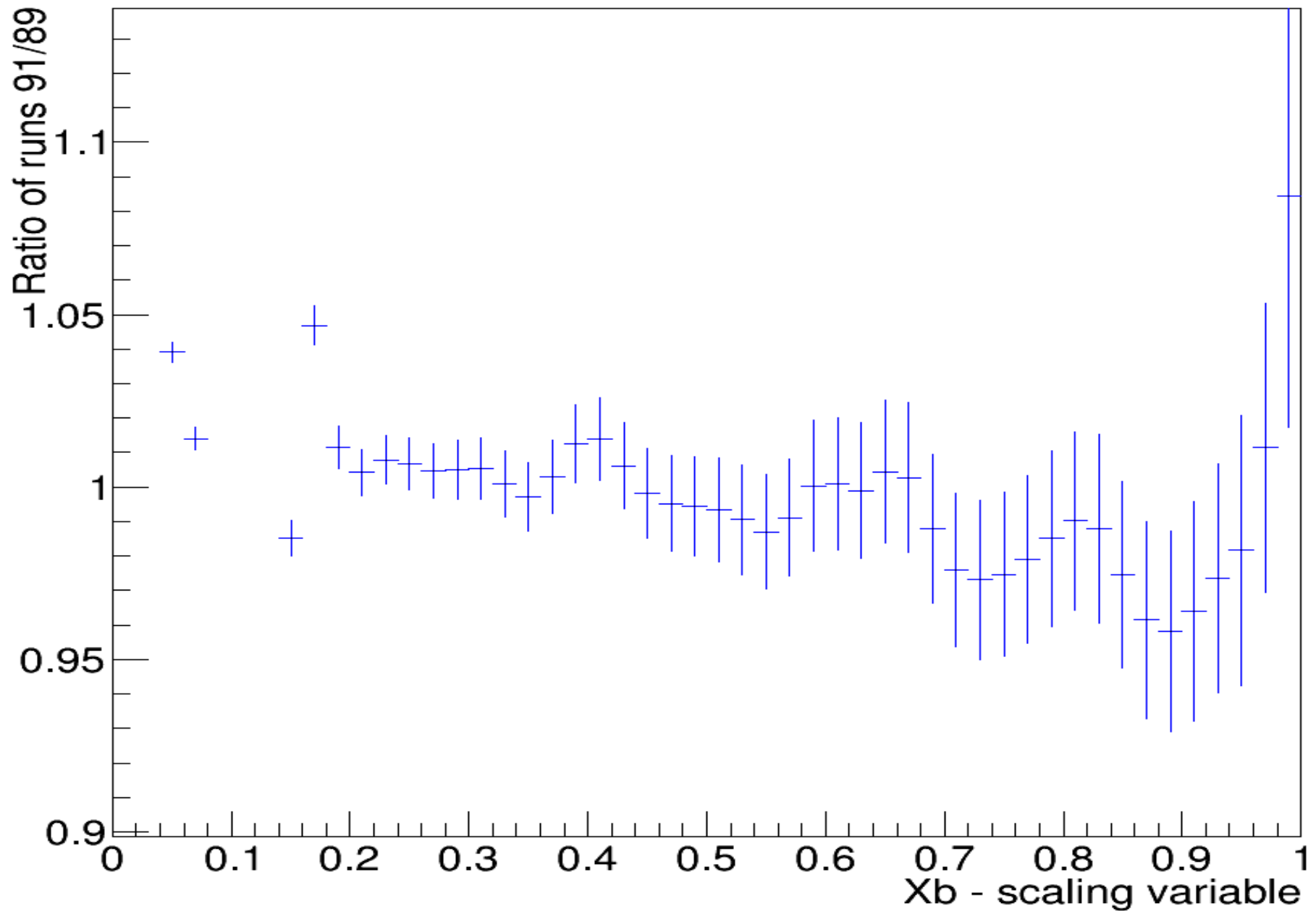
Momentum distributions



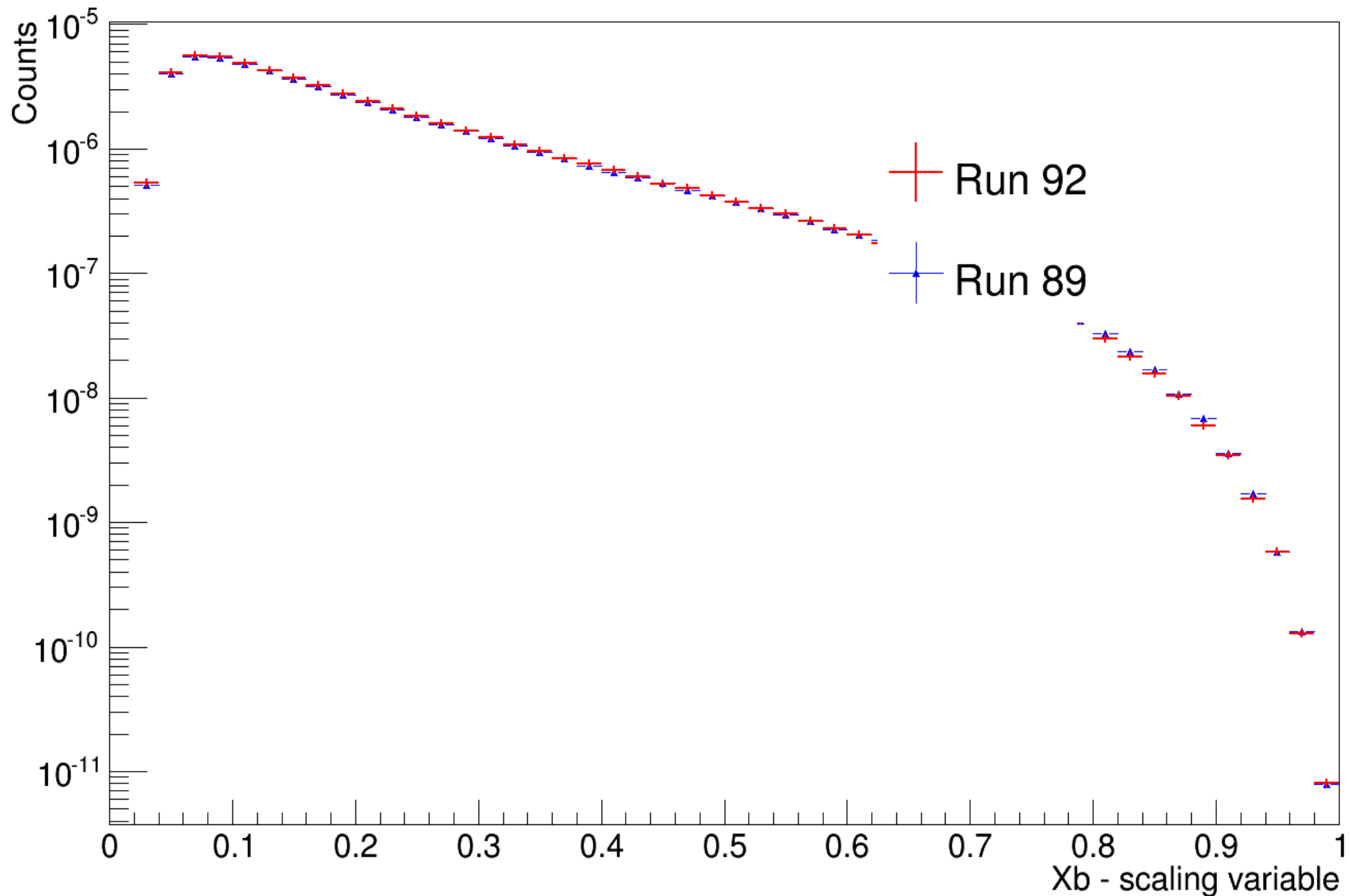
Weighted Counts(LAB) for runs 91 & the run 89



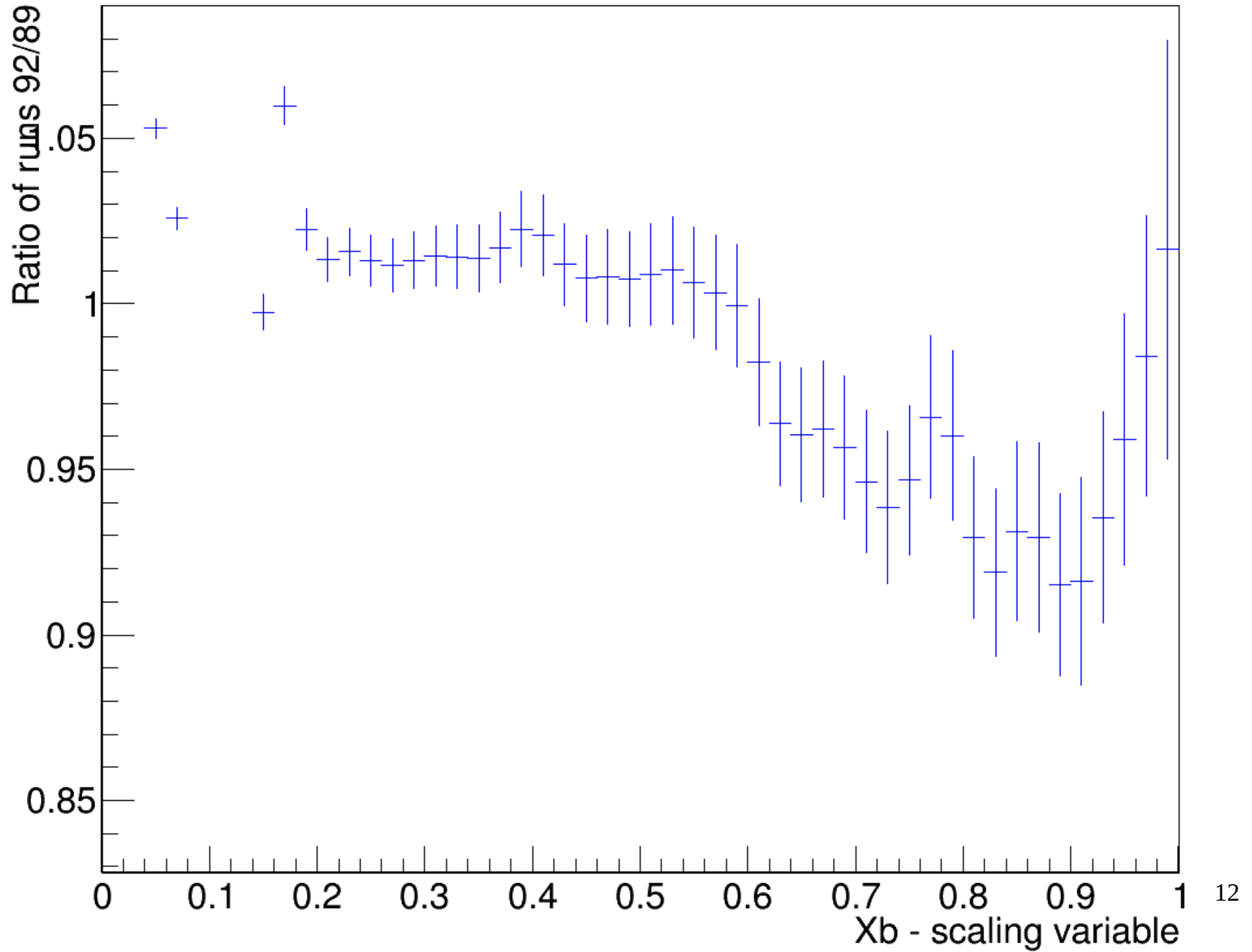
Ratio of Weighted counts for run 91 and the run 89



Weighted Counts(LAB) for runs 92 & the run 89



Ratio of Weighted counts for run 92 and the run 89



$Q^2 = 50 \text{ GeV}^2$

$\frac{F_2^{\text{IRON}}}{F_2^{\text{D}_2}}$

1.3

1.2

1.1

0.9

0.8

.1

.3

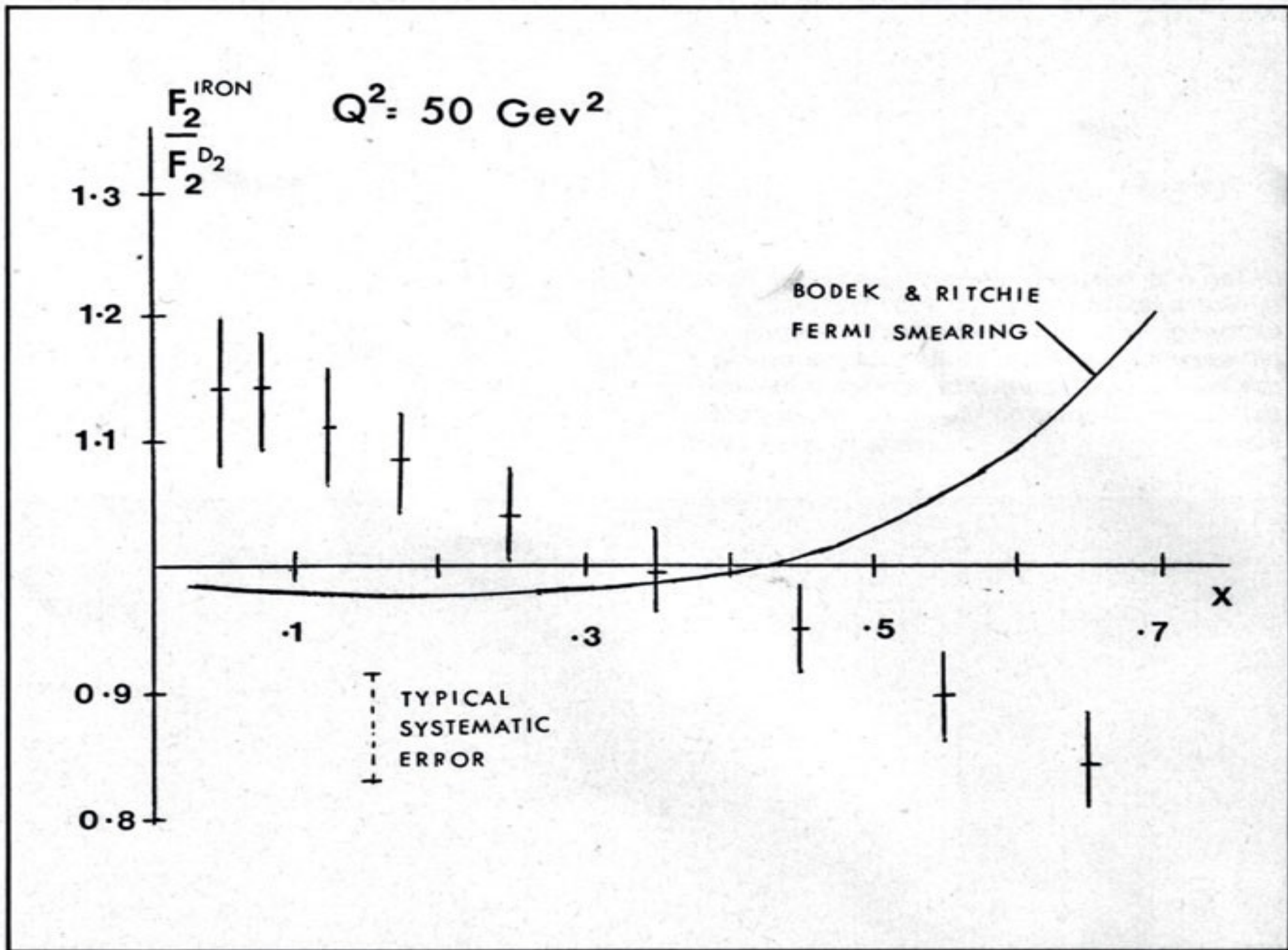
.5

.7

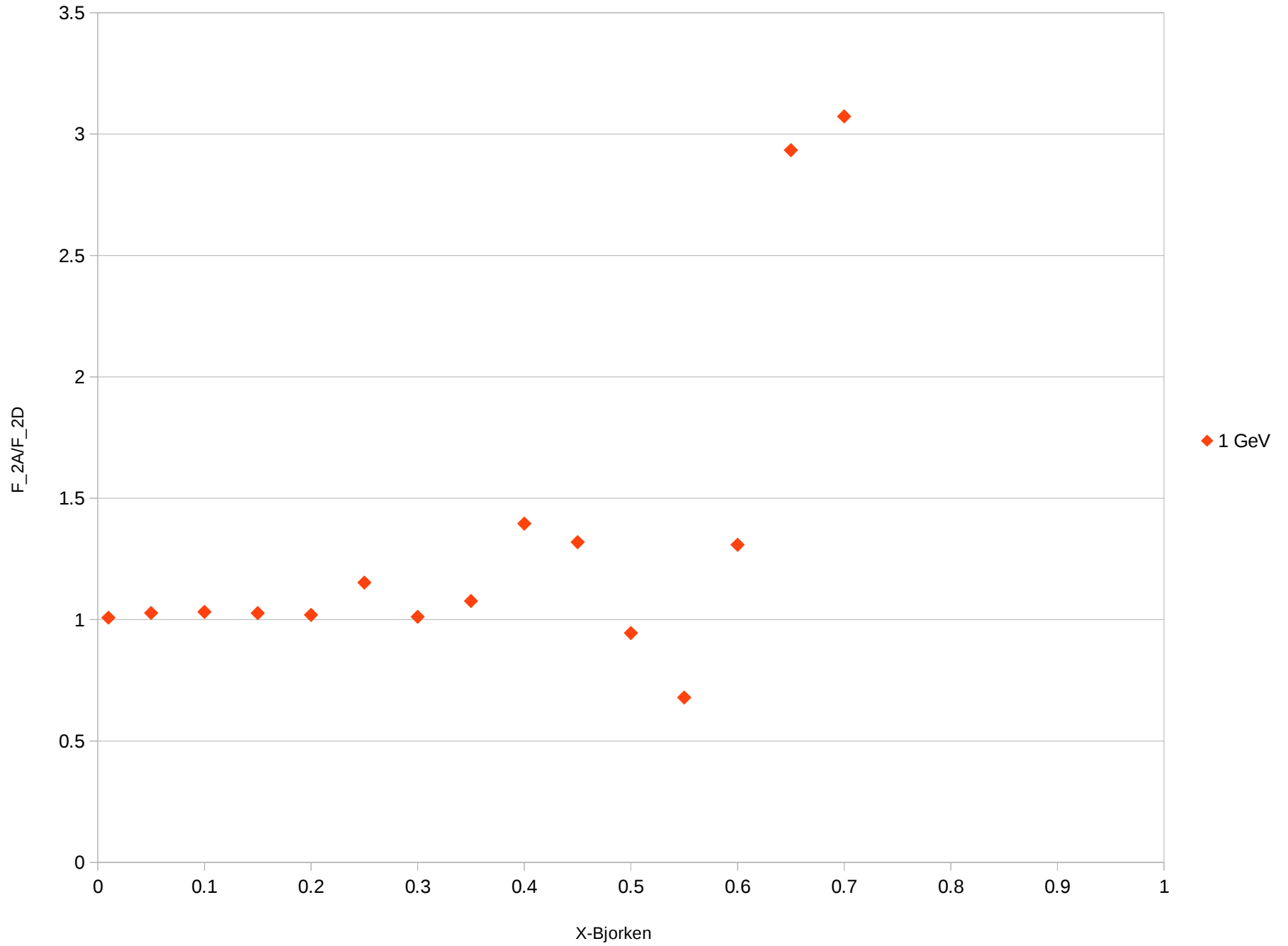
X

BODEK & RITCHIE
FERMI SMEARING

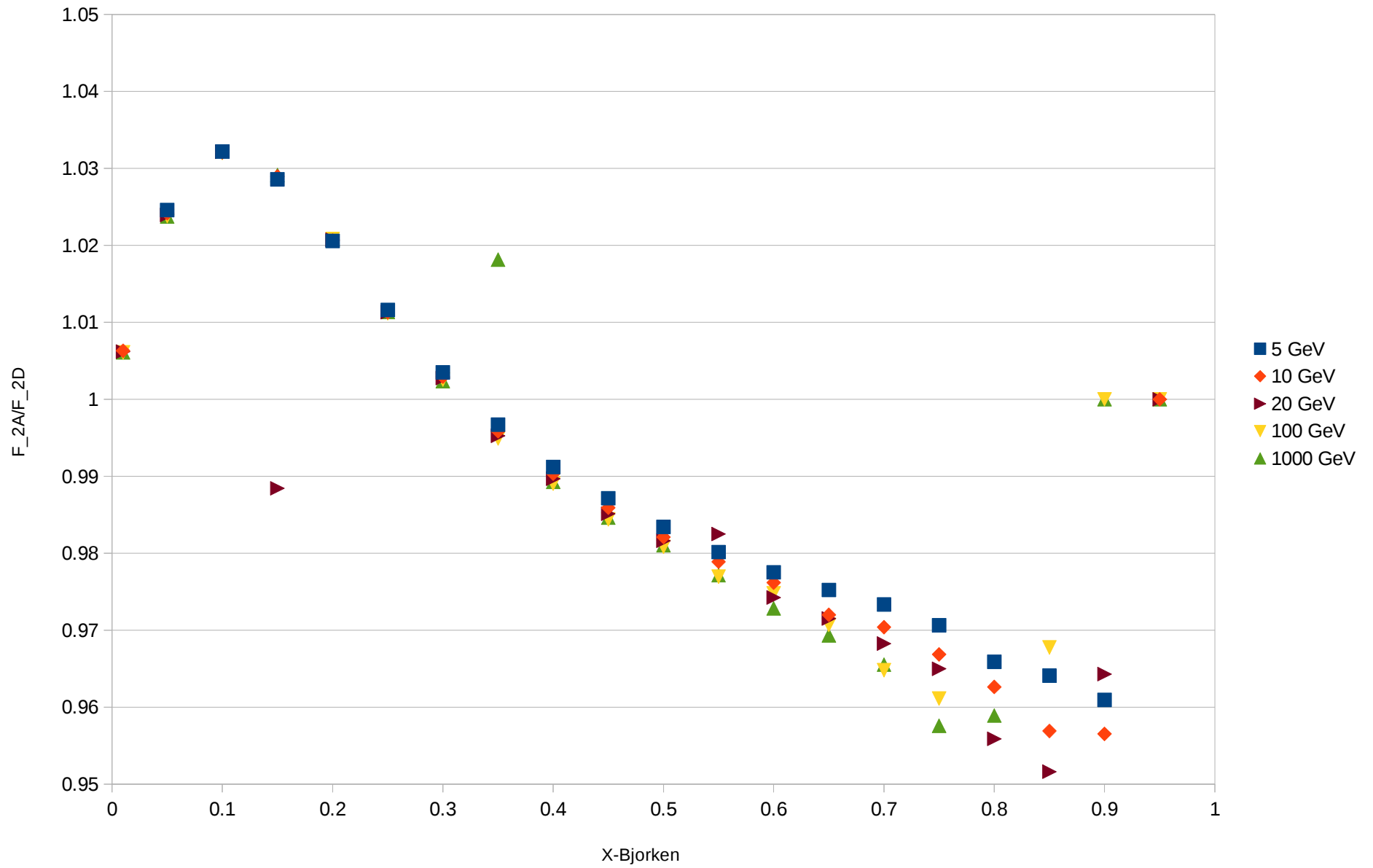
T
TYPICAL
SYSTEMATIC
ERROR



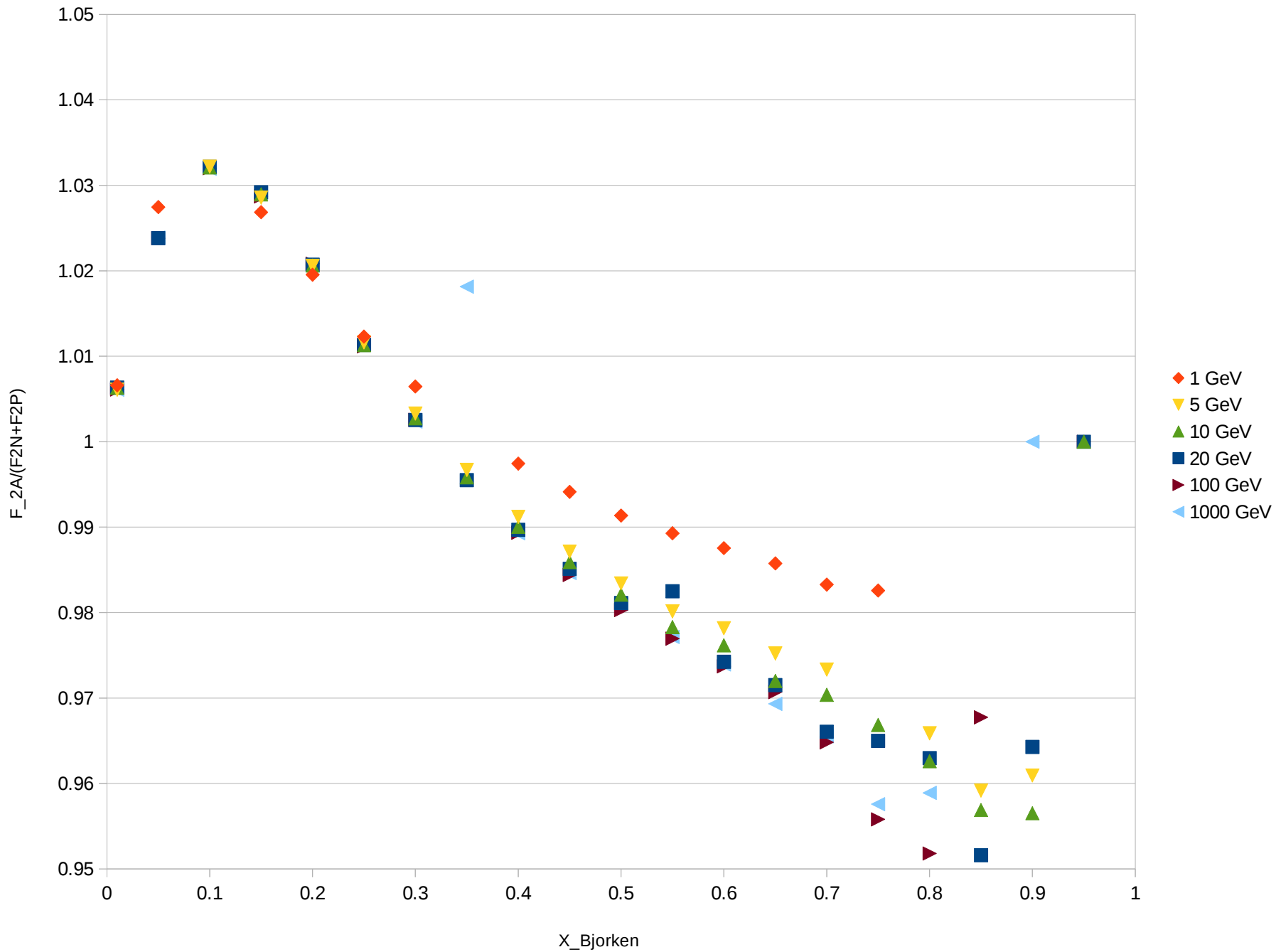
A/D for Q^2 of 1 GeV



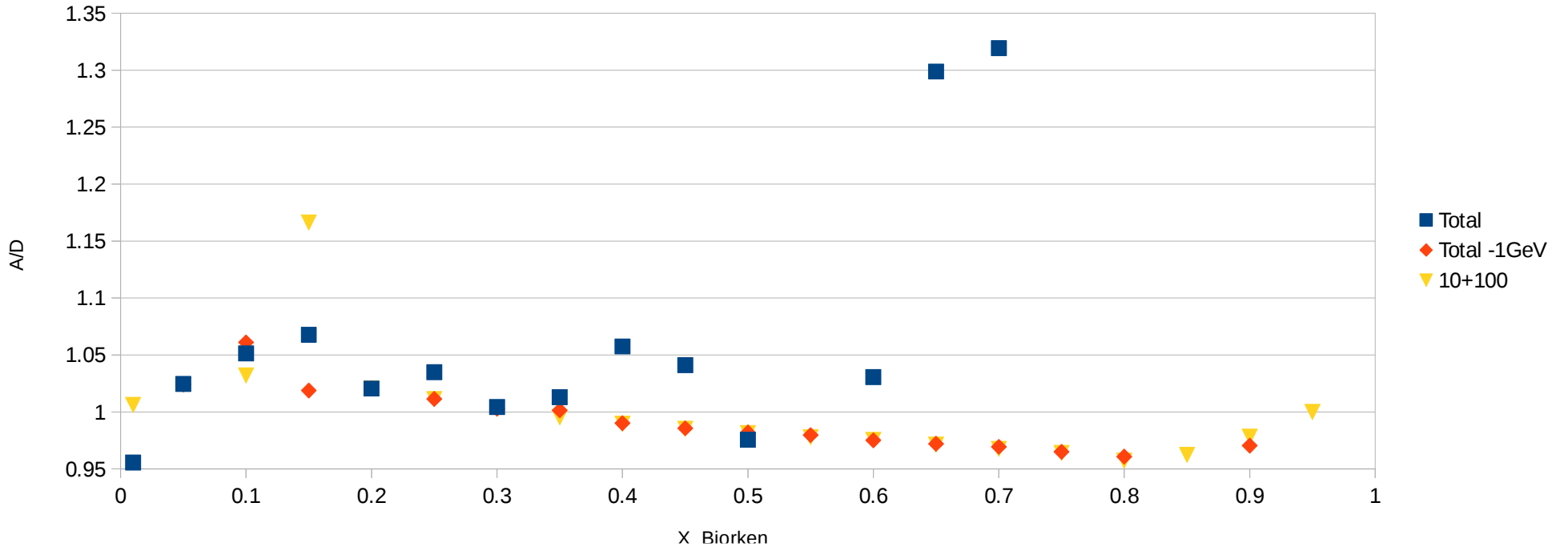
A/D ratios for q^2 values



A/(P+N) Ratios for Q^2 values



average Ratios F/D



Average Ratios $A/(N+P)$

