

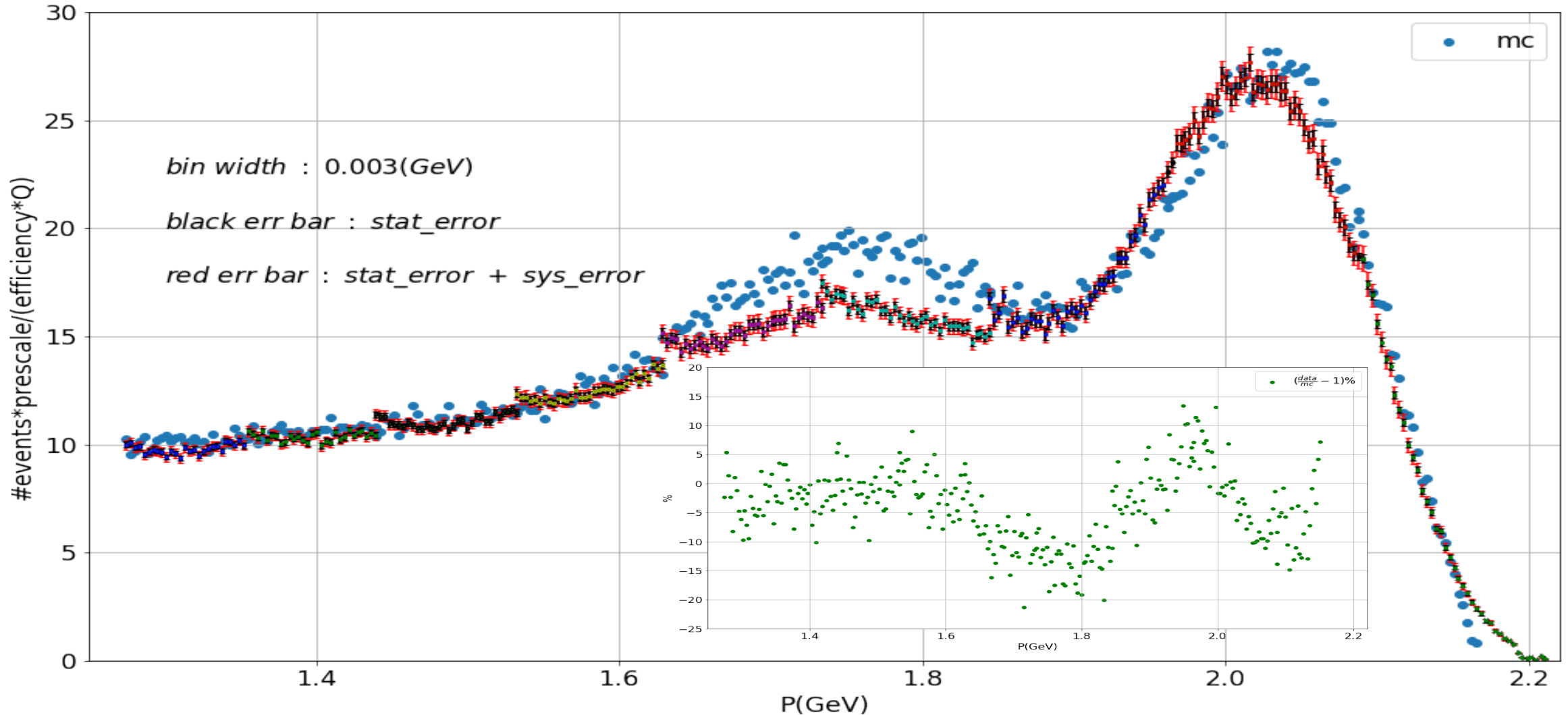
# Ar Meeting

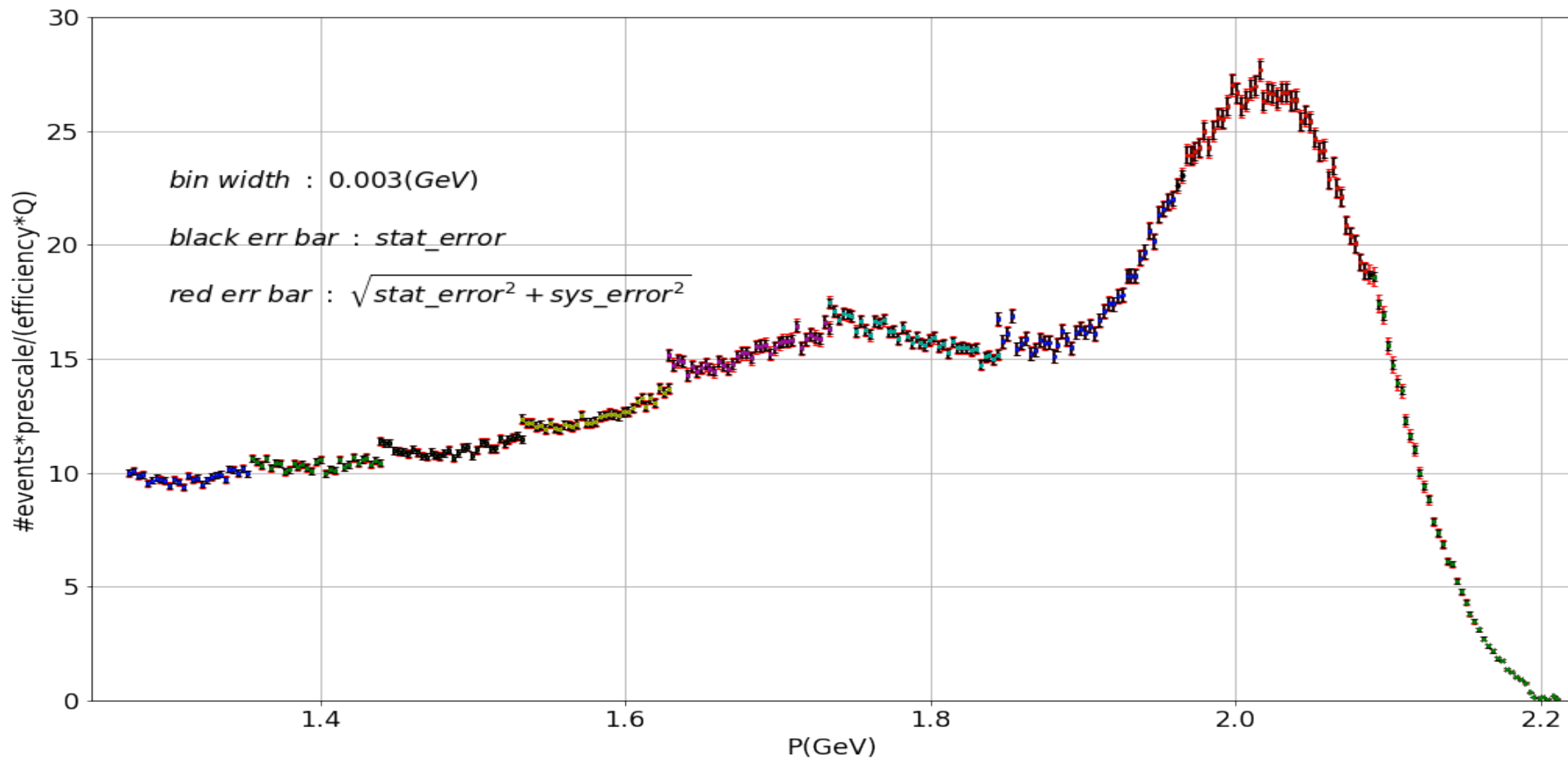
Hongxia Dai

Aug 24, 2017

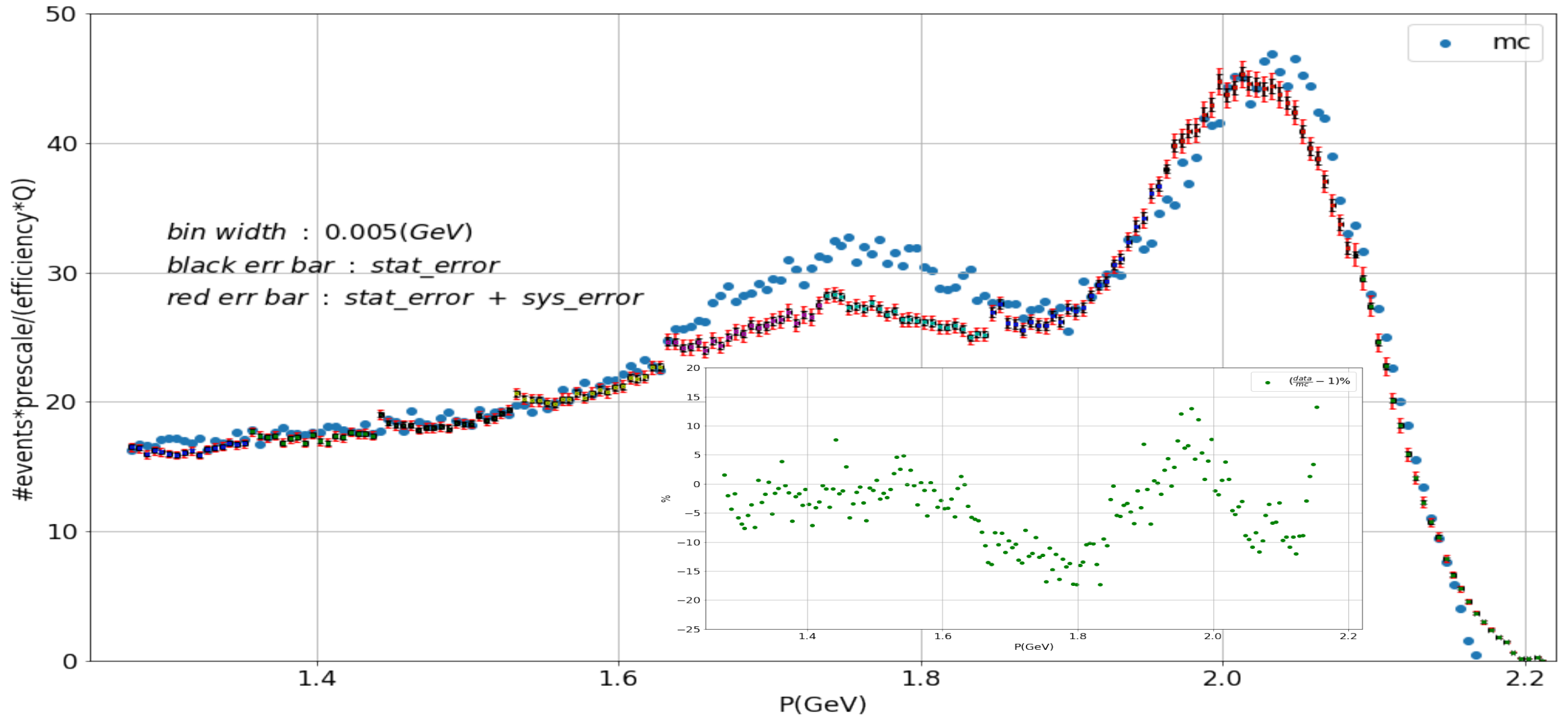
# Comparison between Data and MC

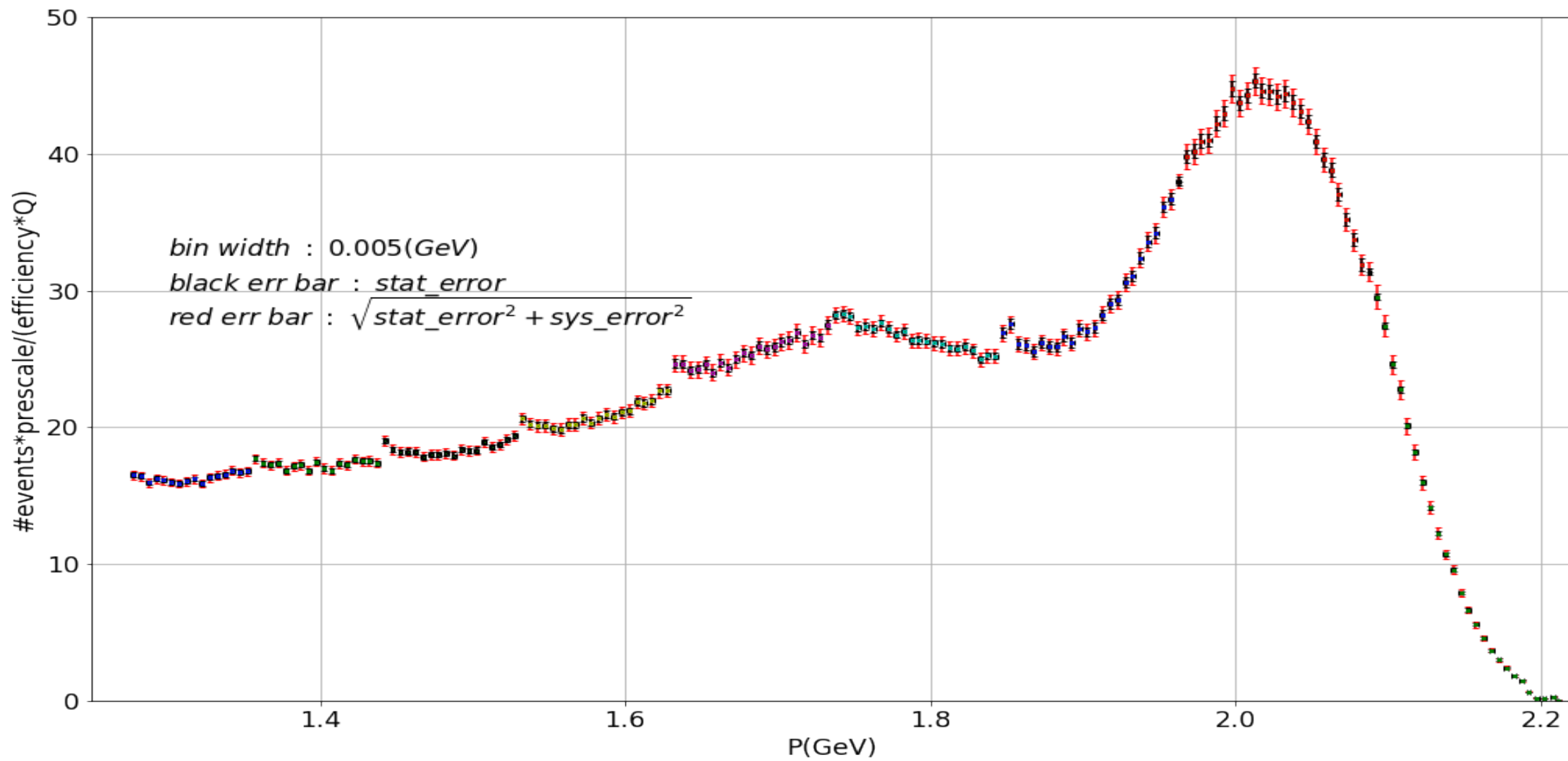
- Reweight events in data by  $\text{prescale}/(\text{eff} * Q)$
- Apply Bin-centering correction
- For overlap bins, fill the bin with events from two runs and take the average





# Set bin width = 0.005GeV





# Systematic errors

Run#	C1 = From Cer cut(%)	C2 = From calo cut (%)	C3 = From acc cut(%)
730	0.04965	0.44462	1.963
731	0.09637	0.34908	1.005
739	0.10433	0.34268	0.846
740	0.10923	0.36476	0.947
747	0.09032	0.32037	0.971
748	0.13605	0.34995	0.969
755	0.10856	0.33599	0.790
756	0.12835	0.33040	0.792
763	0.10978	0.34338	0.813

← From slides on Jul 20

$$Total = \sqrt{C1^2 + C2^2 + C3^2}$$

# Other systematic errors

- Target thickness  $0.167 \pm 0.006$  (g/cm<sup>2</sup>)
- Beam position
- Spectrometer offset