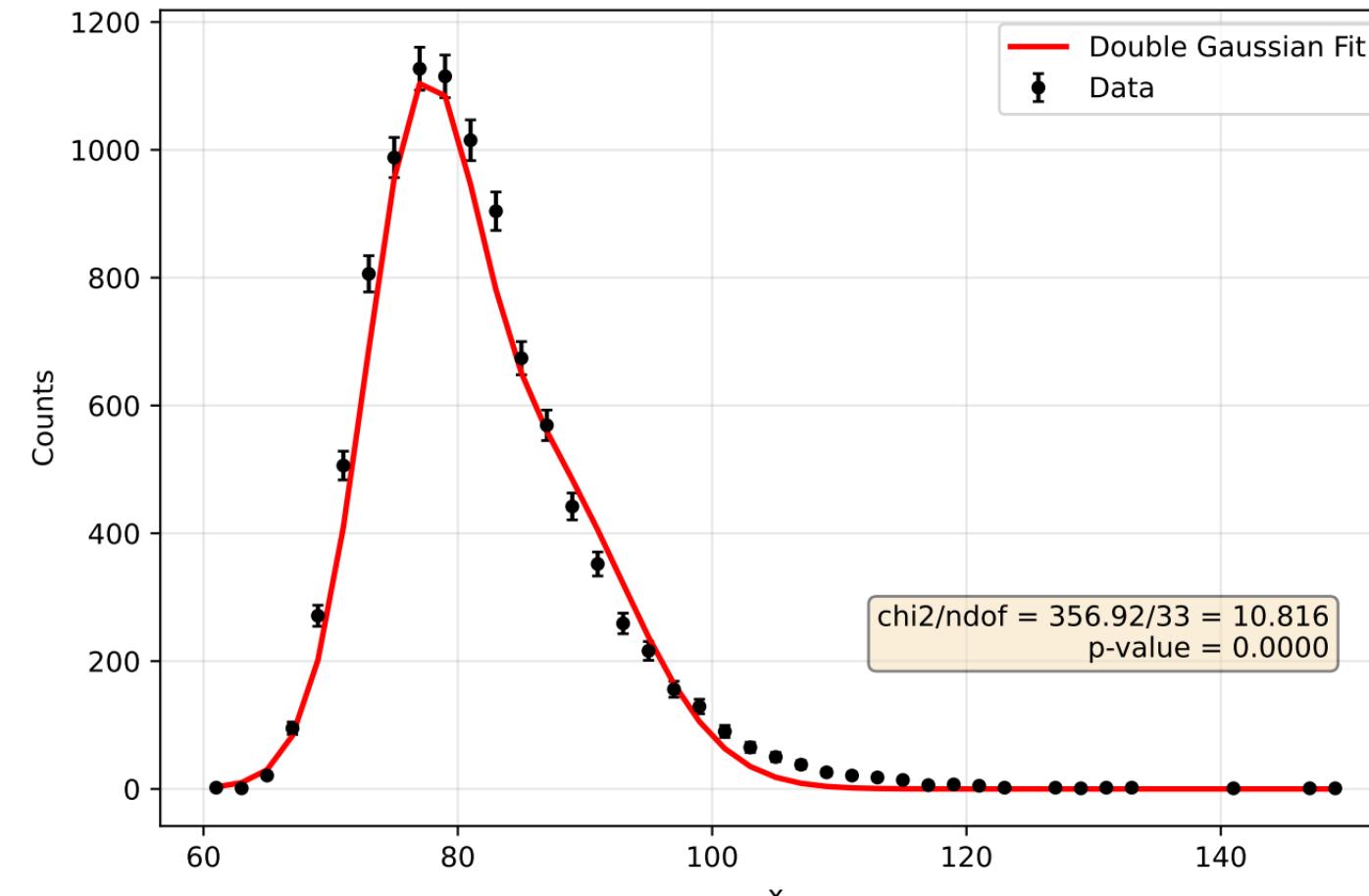
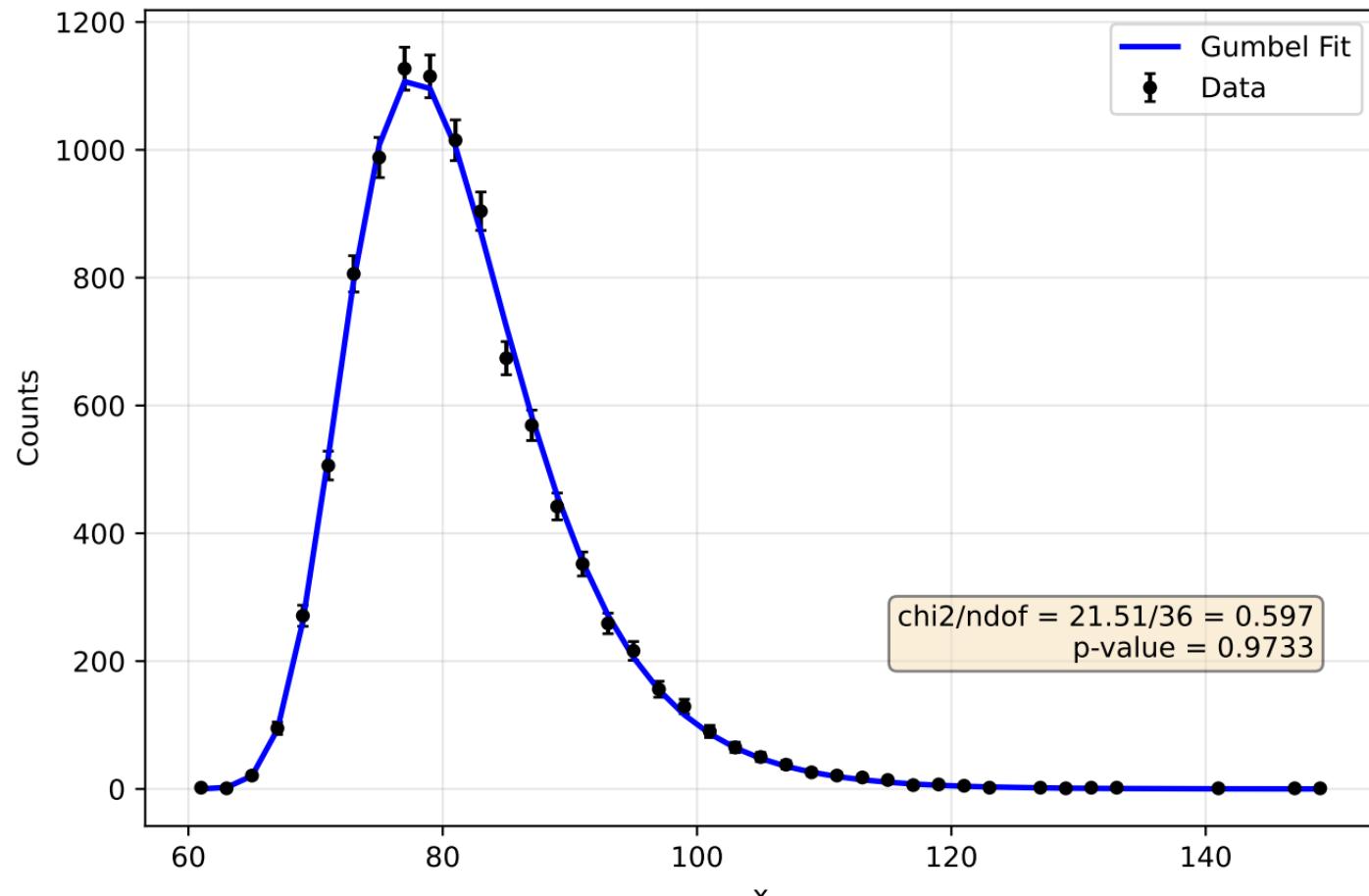


Double Gaussian Fit



Gumbel Fit



Double Gaussian:
Chi2/ndof = 356.92/33 = 10.816
p-value = 0.000000
NLL = -53843.46

Gumbel:
Chi2/ndof = 21.51/36 = 0.597
p-value = 0.973269
NLL = -54336.47

Likelihood Ratio Test:
-2delt_InL = -986.02
delt_k = 3
p_lrt = 1.000000

Gumbel model best fits the data based on reduced chi and p-value near 1 and the p_lrt being significantly greater than 0.05 Double gaussian has a significant chi2 reduce and p-value of 0 which demonstrates a poor fit