Experiment 1 — Counts vs x, with Fit and Data 1.
Experiment 2 — Counts vs x, with Fit and Data 2.
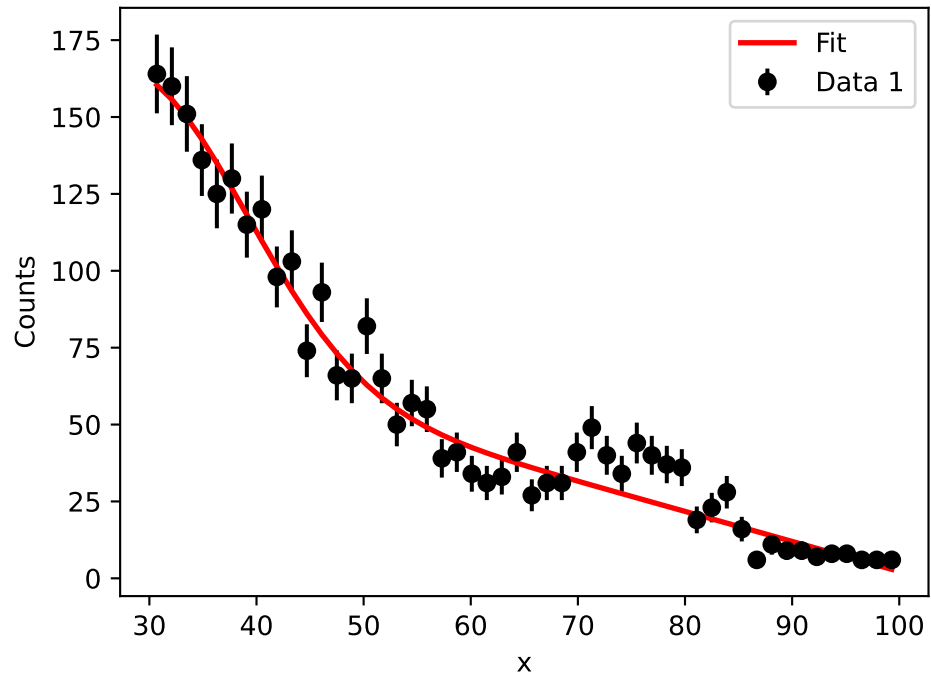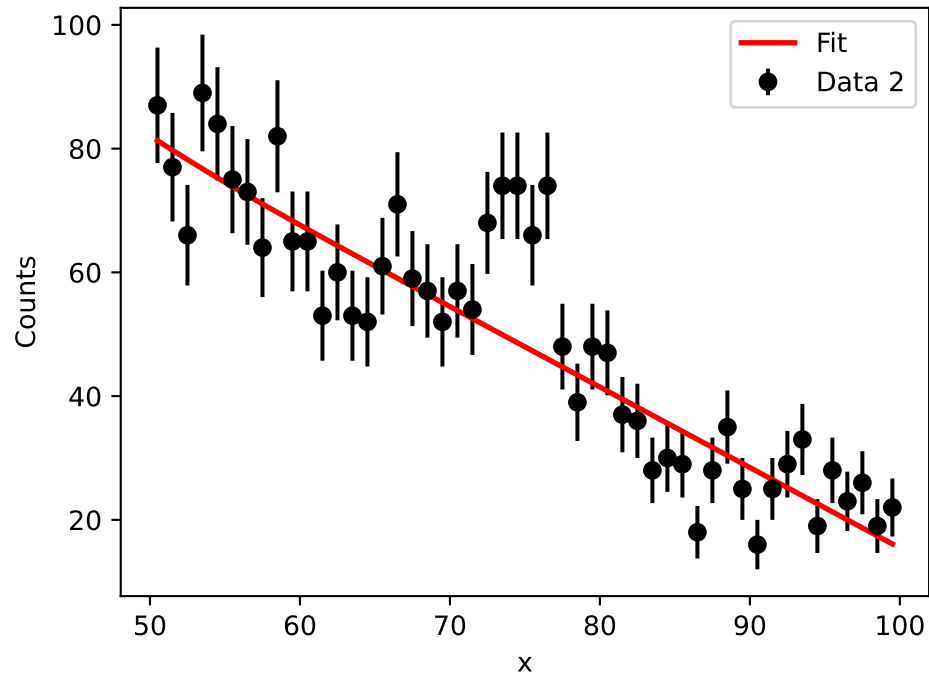
Fit Summary:
Mean   = 28.173 ± 4.059
Sigma = 10.957 ± 2.013
reduced Chi2   = 1.98
p-value   = 0.000

The p-value is 0.000 which
demonstrates a poor fit.
The reduced chi2 is close to 2 which also demonstrates a
poor fit for signal