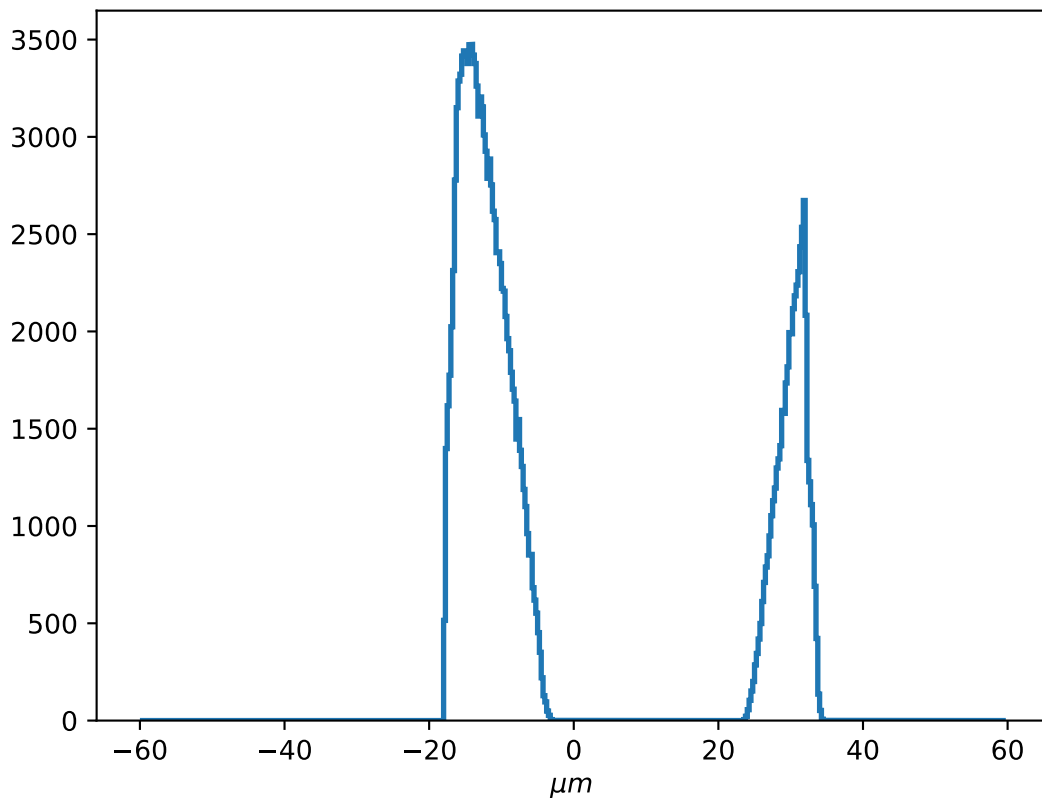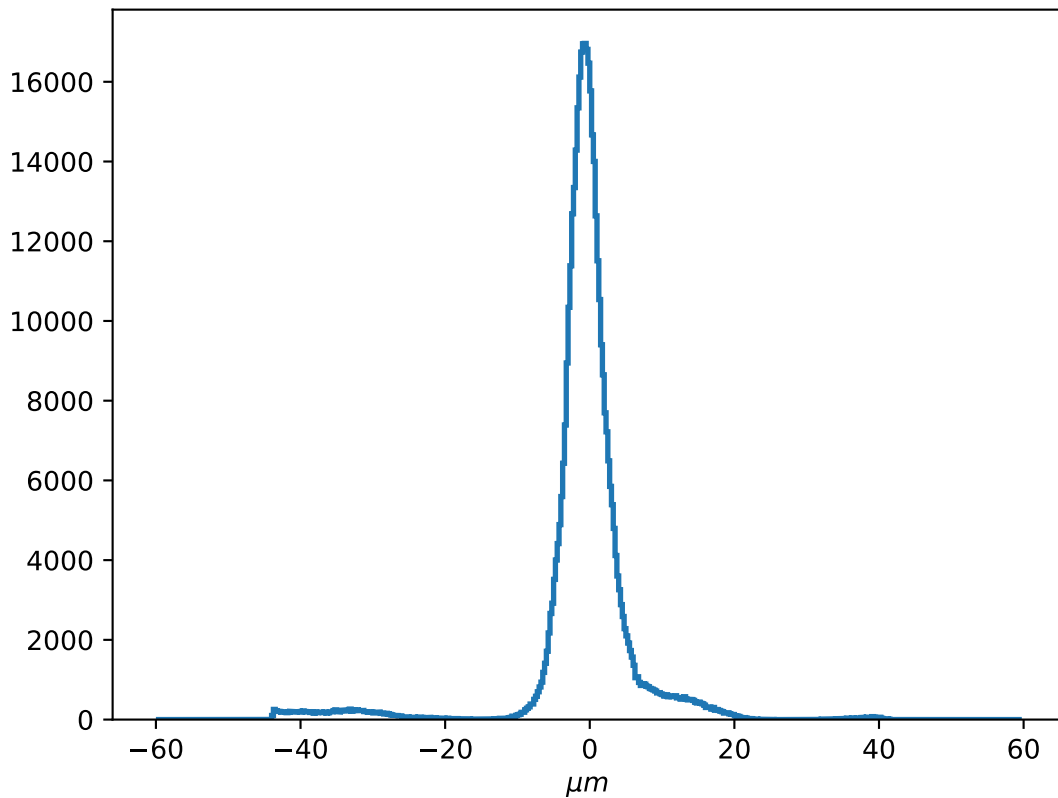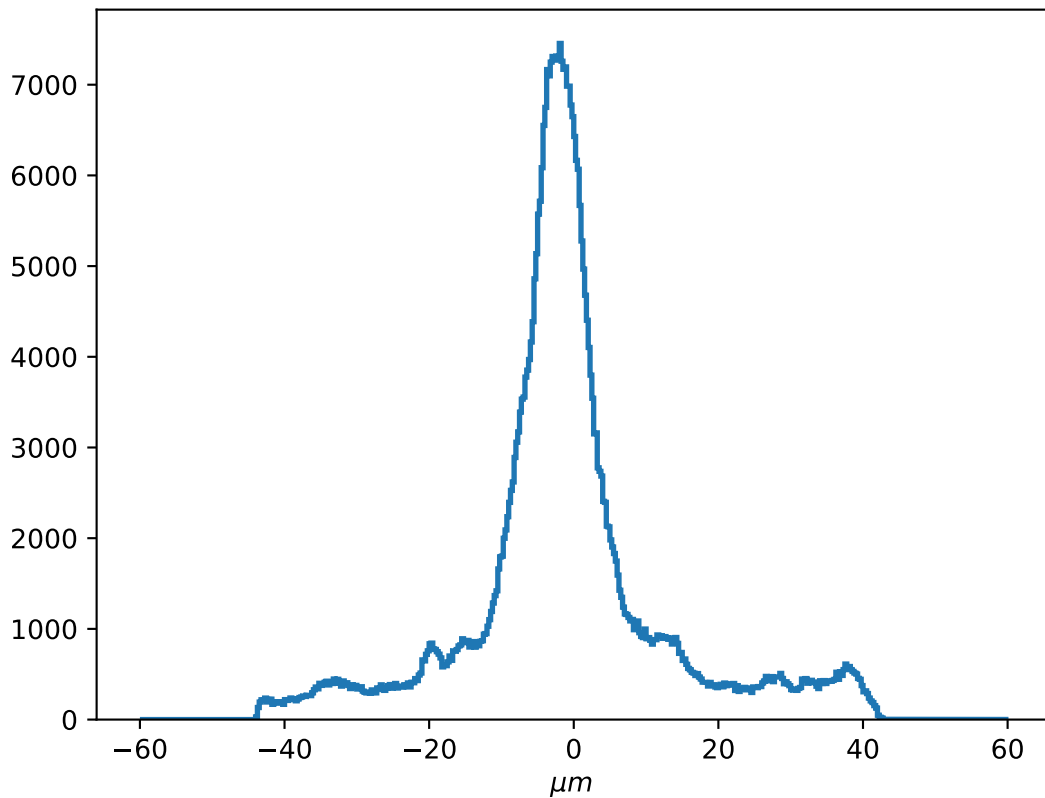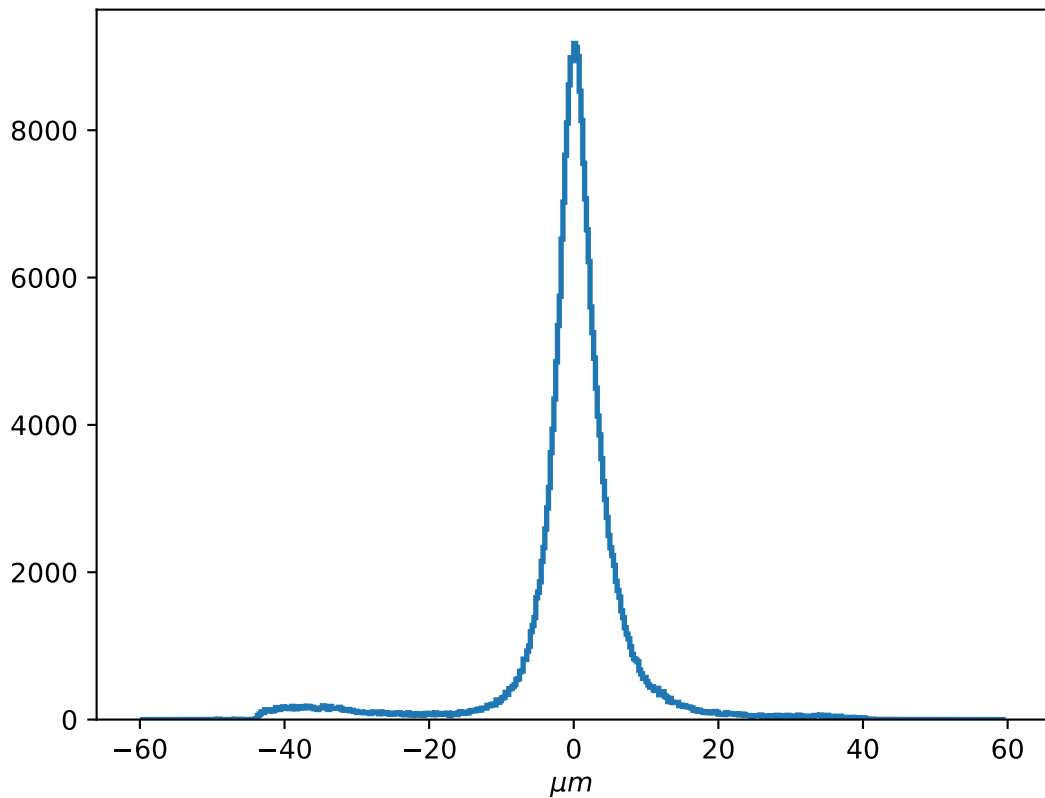residuals in x for clustersize = 1, $\sigma = 19.45$

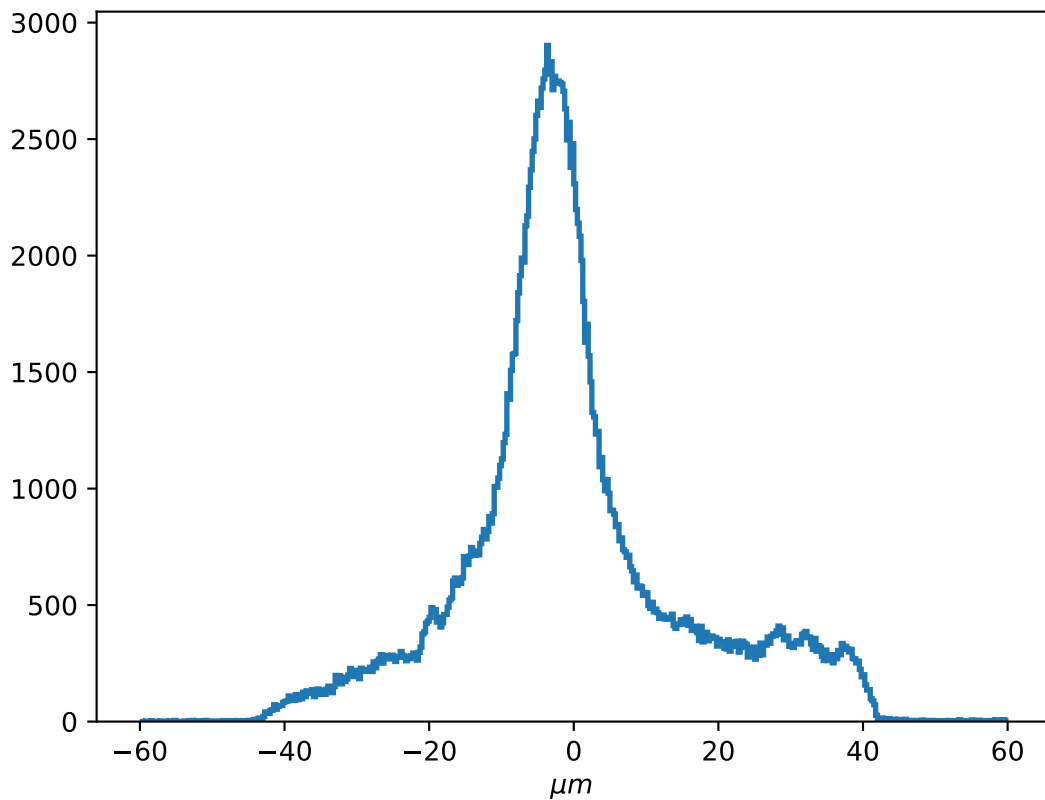residuals in x for clustersize = 2, σ = 7.74

residuals in x for clustersize = 3, $\sigma = 13.95$
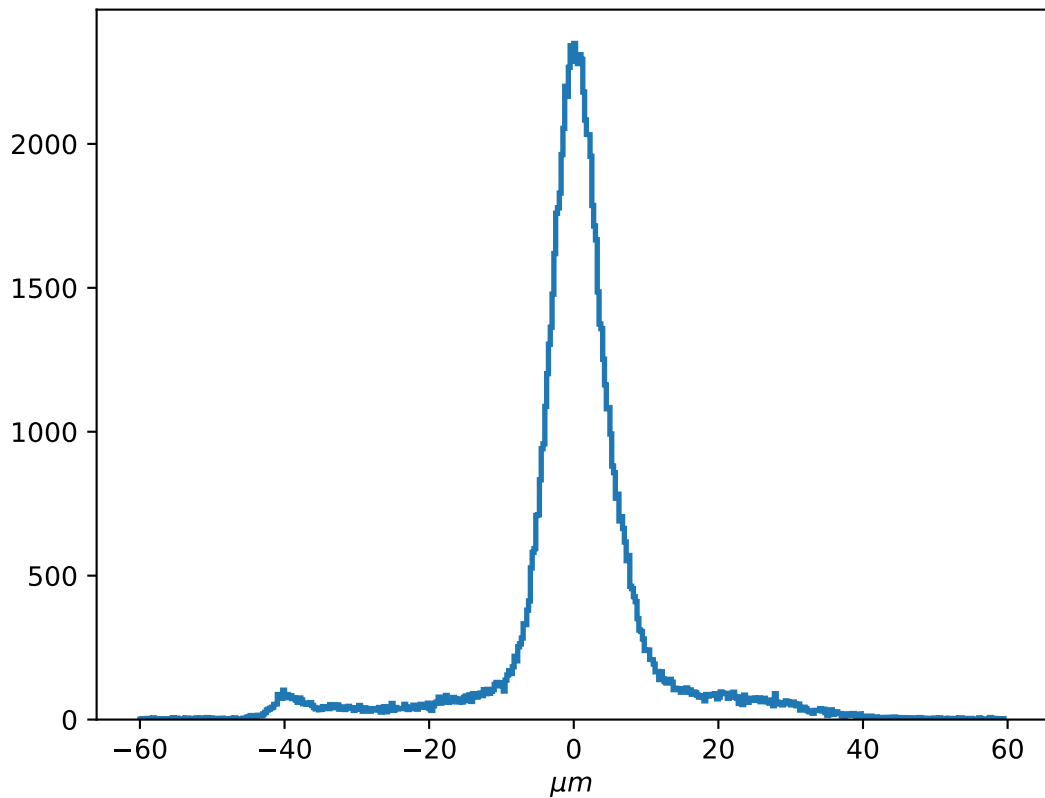
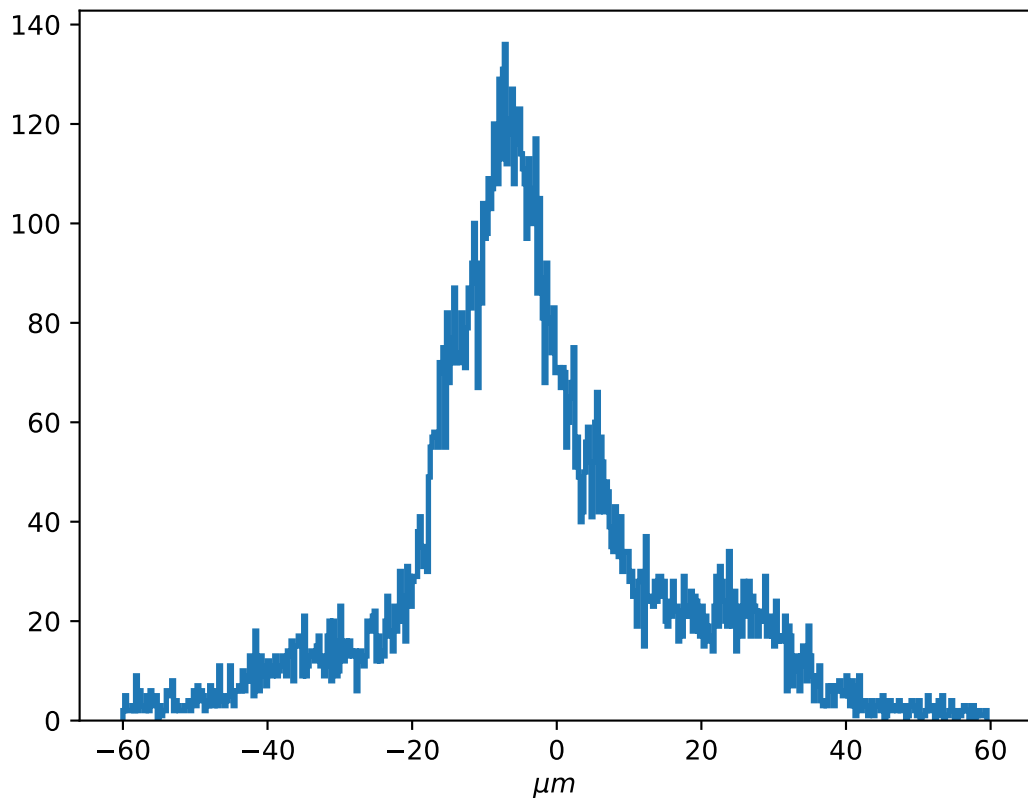residuals in x for clustersize = 4, σ = 8.98
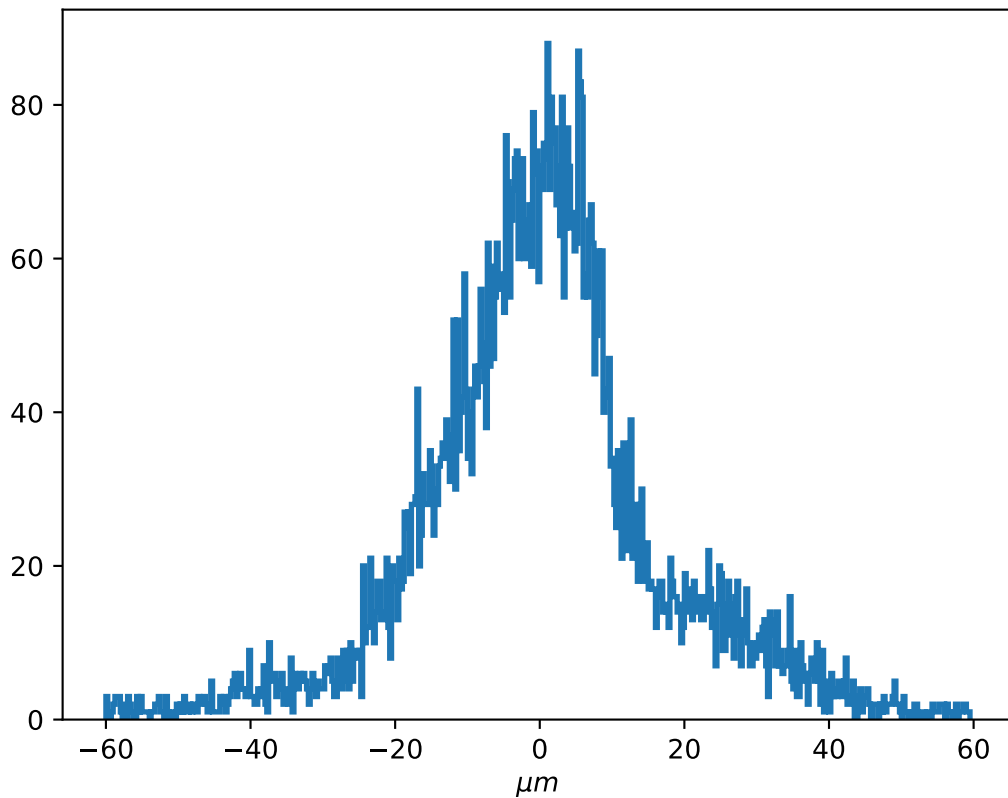
residuals in x for clustersize = 5, σ = 15.55

residuals in x for clustersize = 6, $\sigma = 11.45$

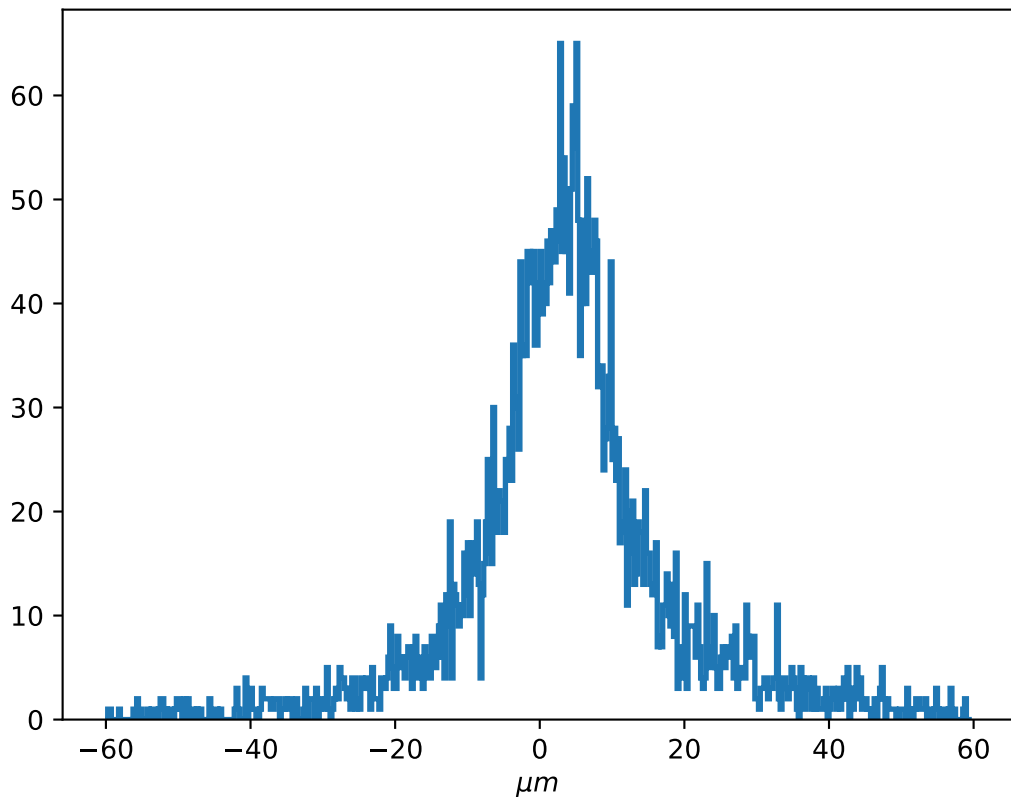residuals in x for clustersize = 7, $\sigma = 21.36$

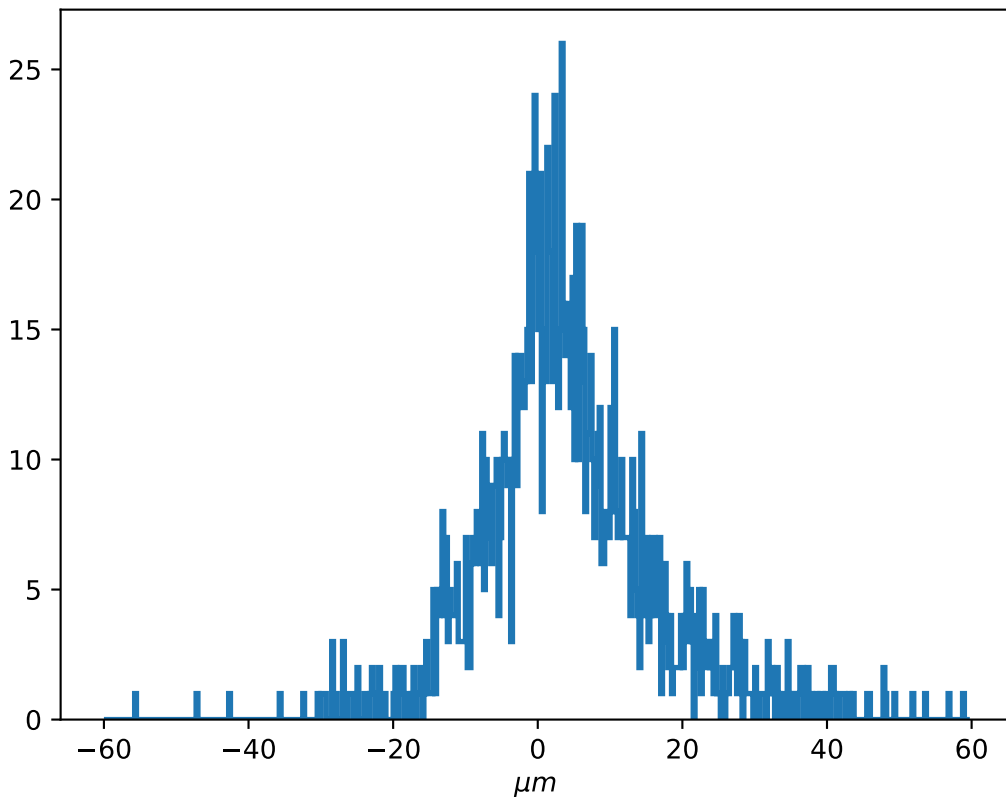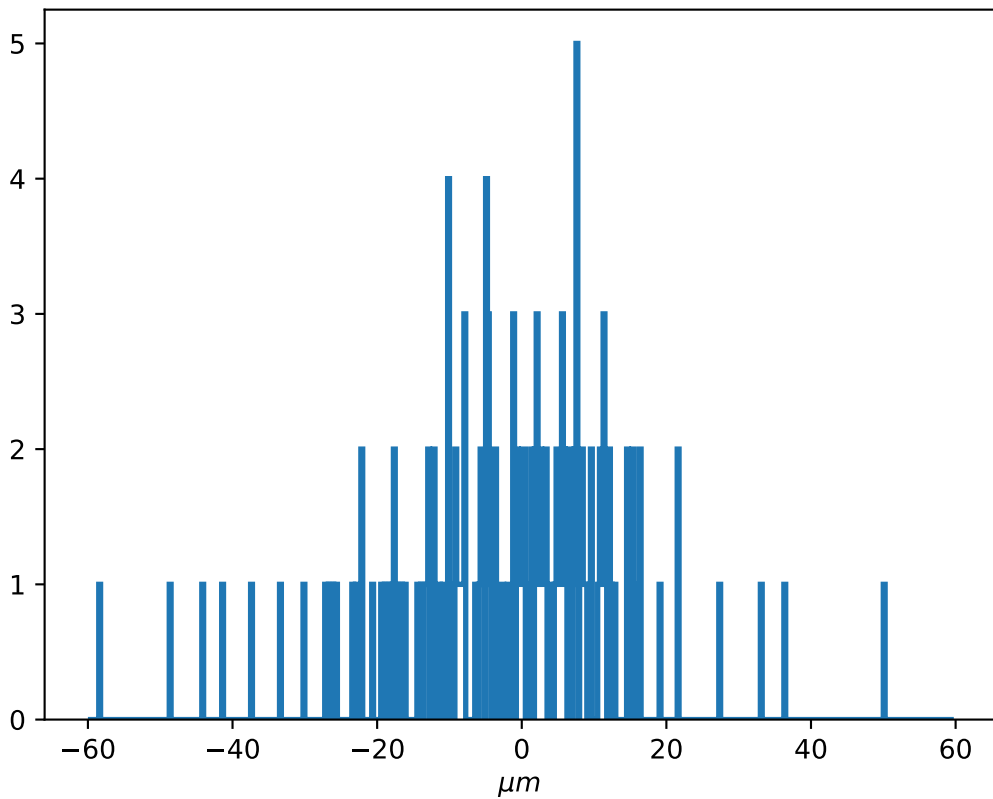residuals in x for clustersize = 8, $\sigma = 20.52$

residuals in x for clustersize = 9, σ = 18.01

residuals in x for clustersize = 10, $\sigma = 12.83$

residuals in x for clustersize = 11, σ = 16.00

residuals in x for clustersize = 12, σ = 15.30