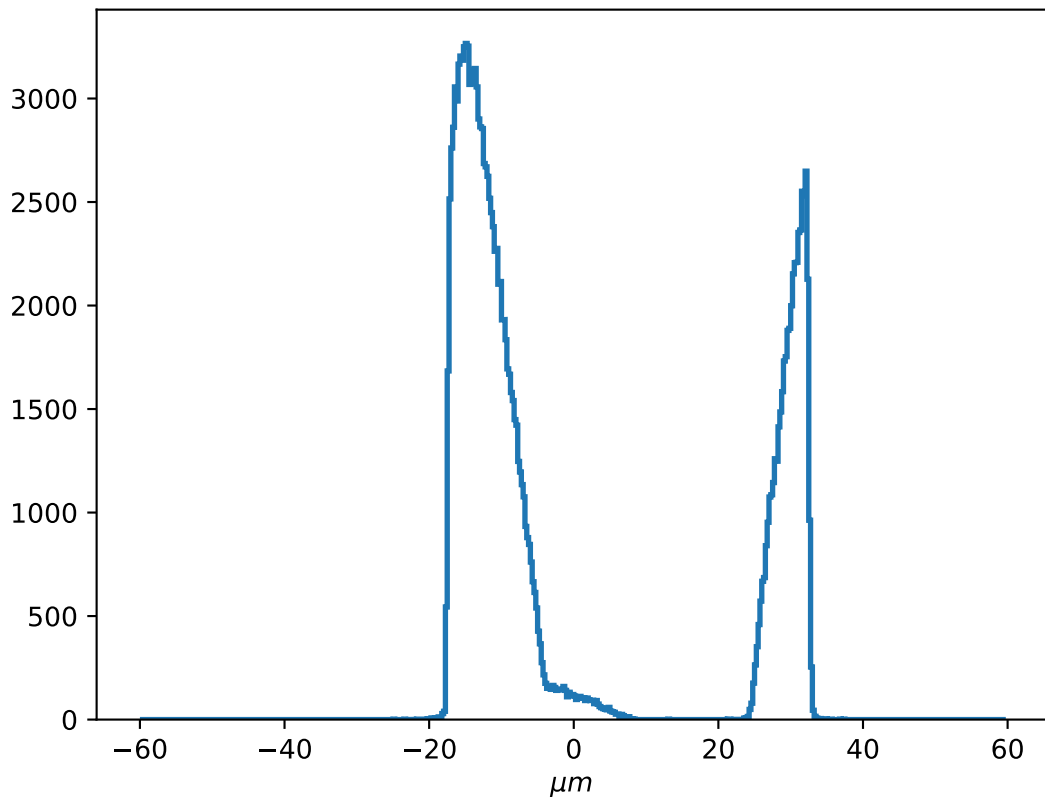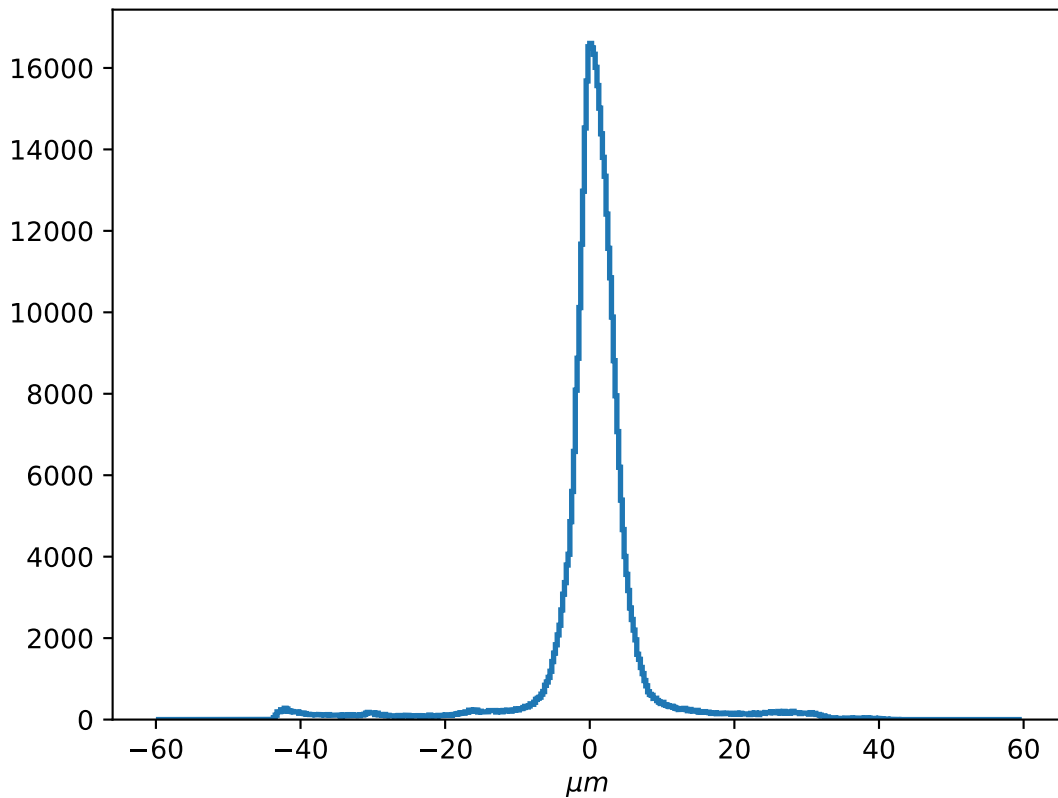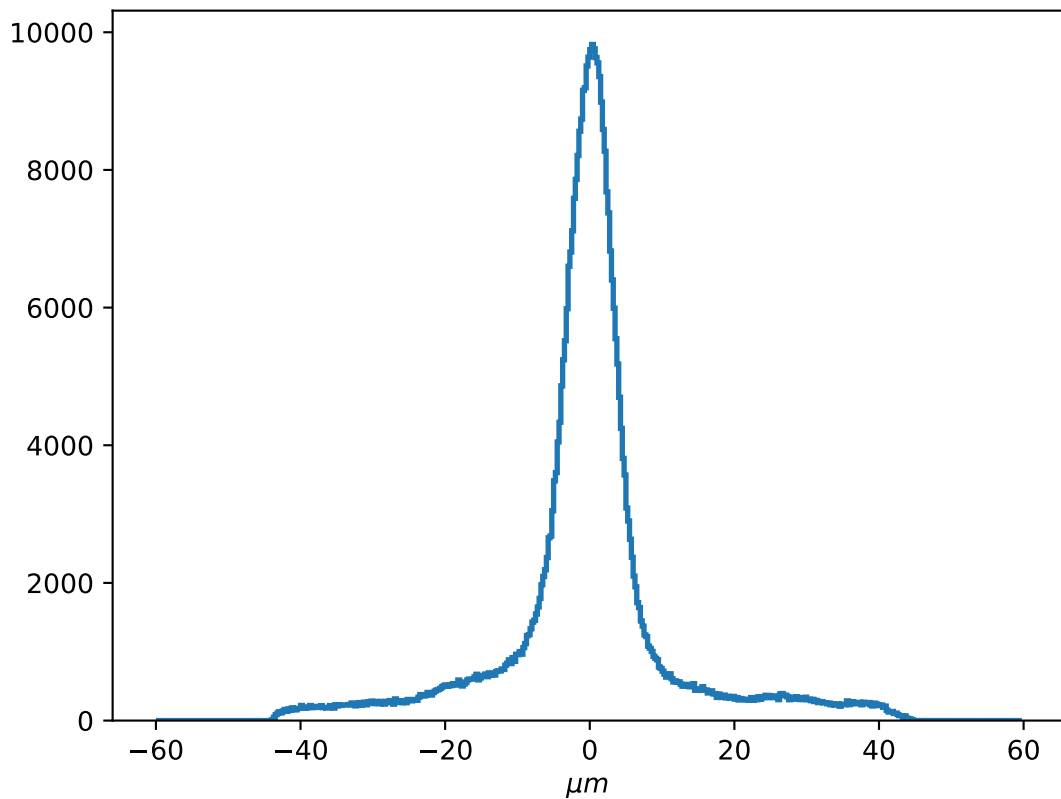residuals in x for clustersize = 1, $\sigma = 19.34$
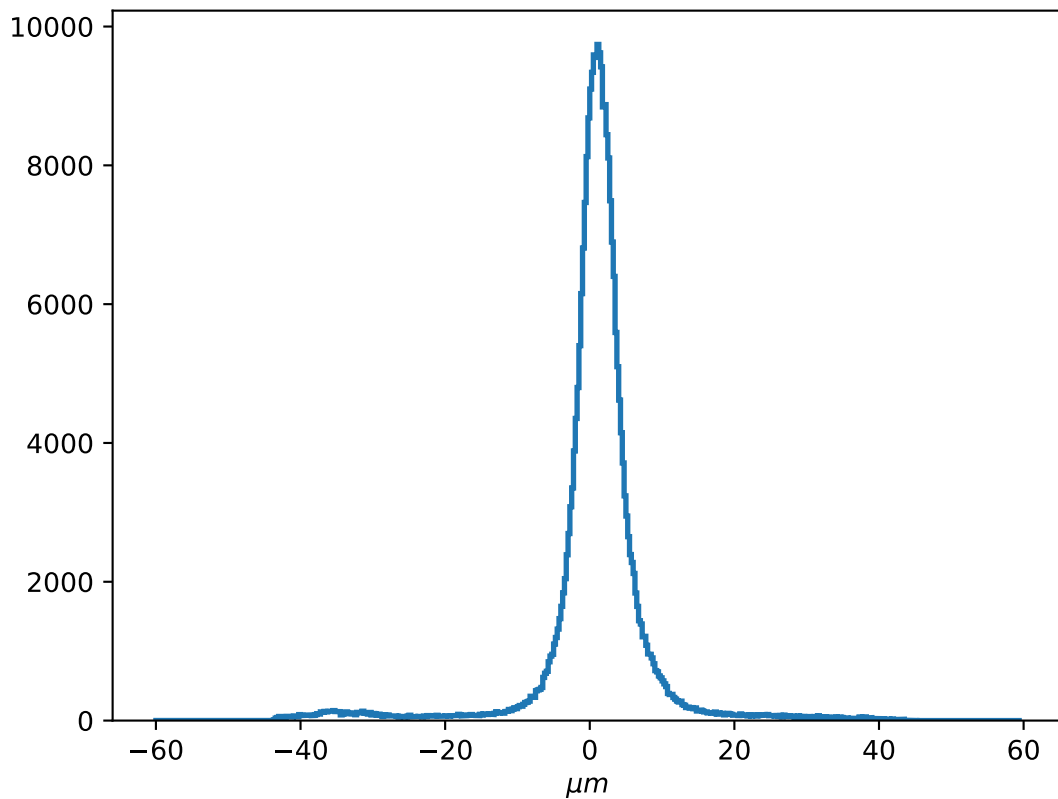
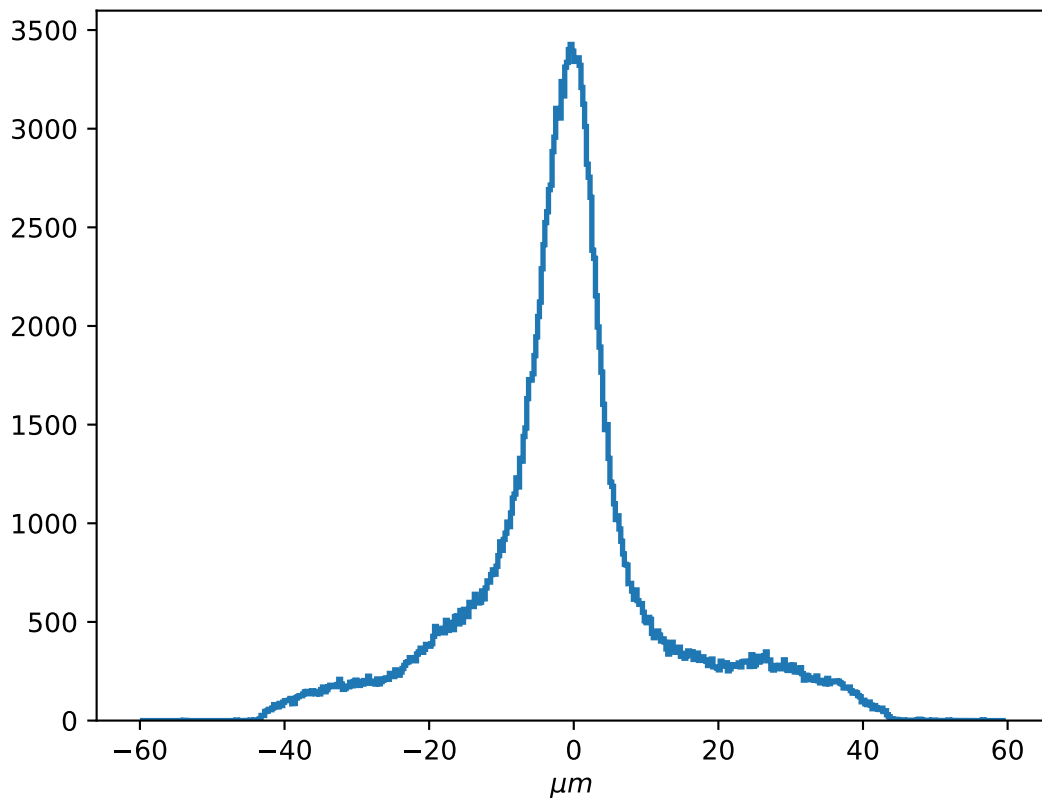residuals in x for clustersize = 2, $\sigma = 7.90$

residuals in x for clustersize = 3, $\sigma = 11.81$
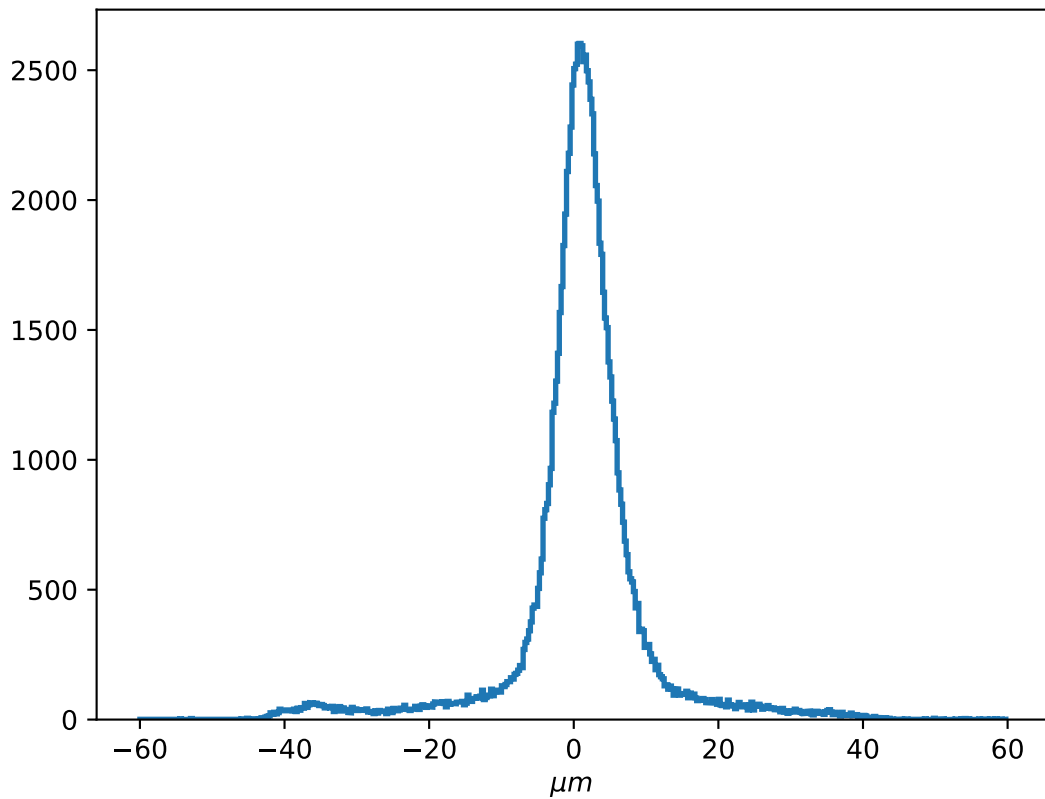
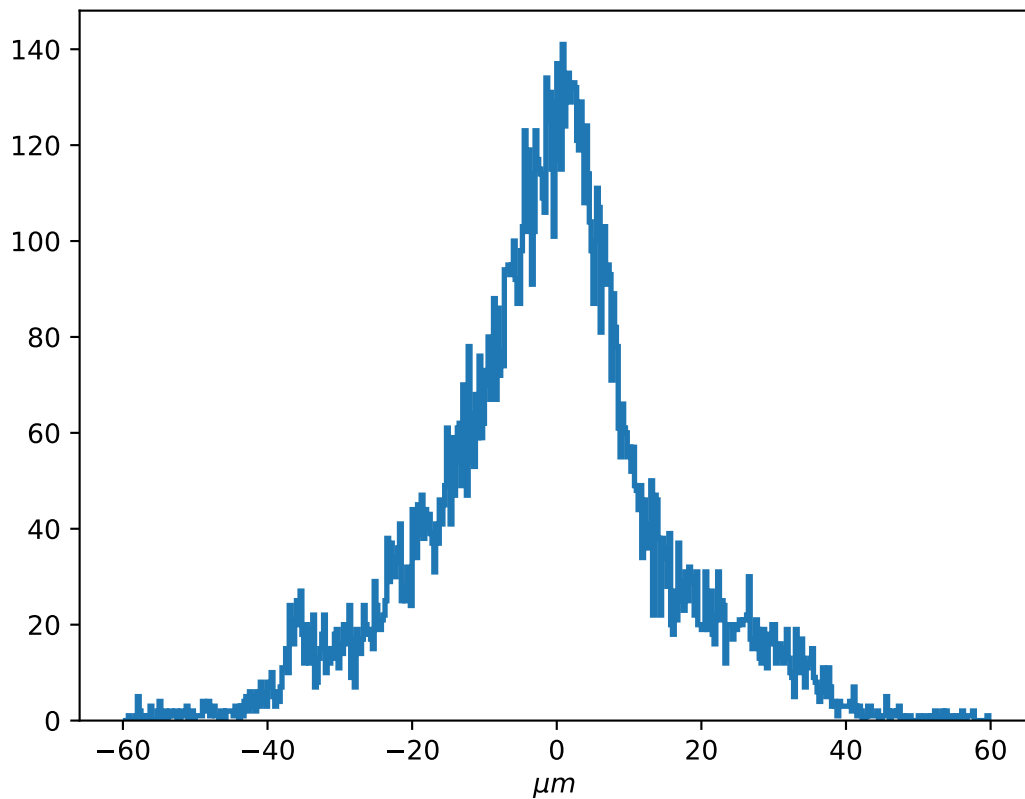residuals in x for clustersize = 4, σ = 7.87

residuals in x for clustersize = 5, σ = 14.08
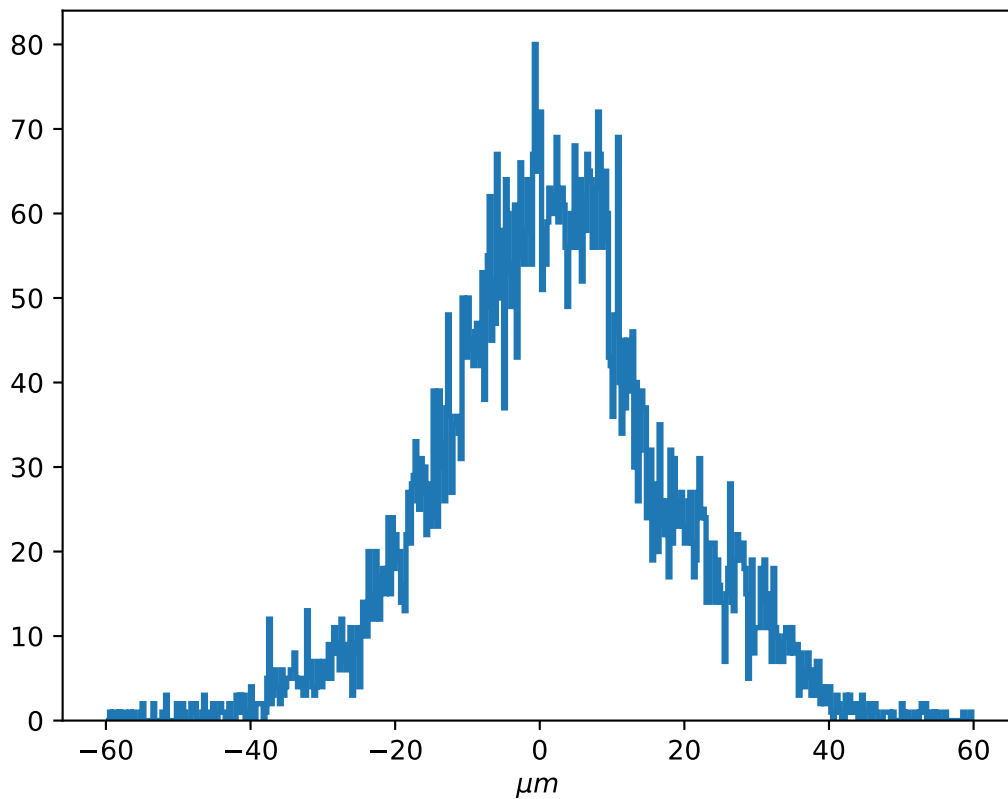
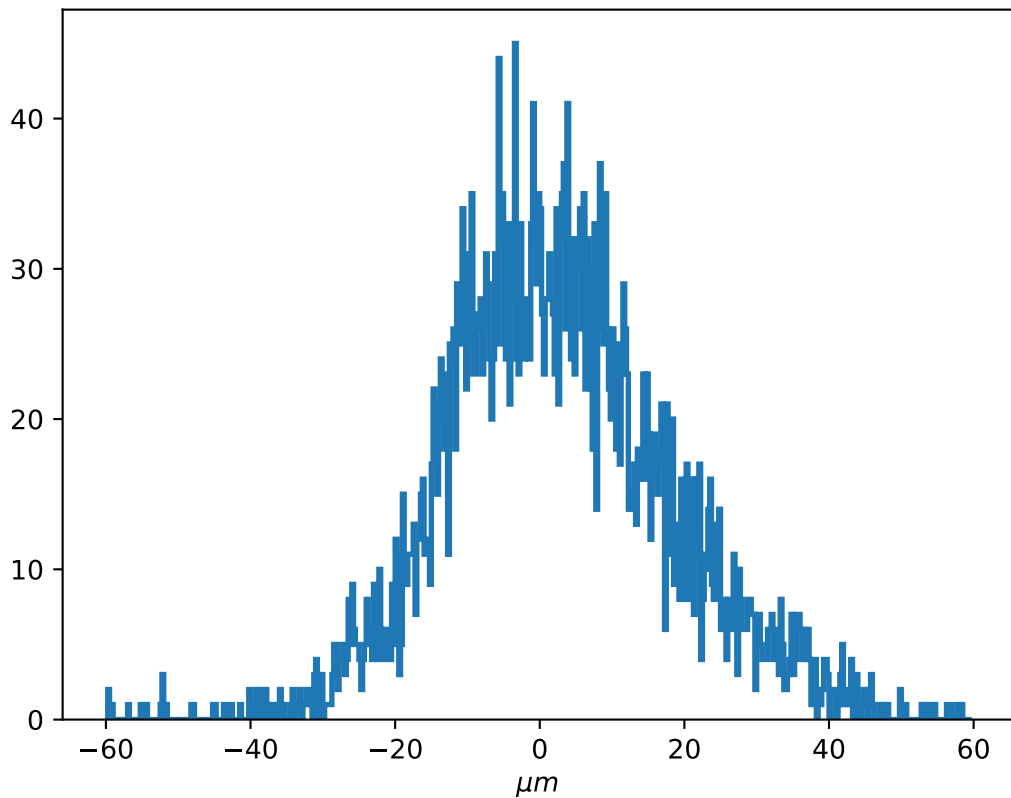residuals in x for clustersize = 6, $\sigma = 9.77$

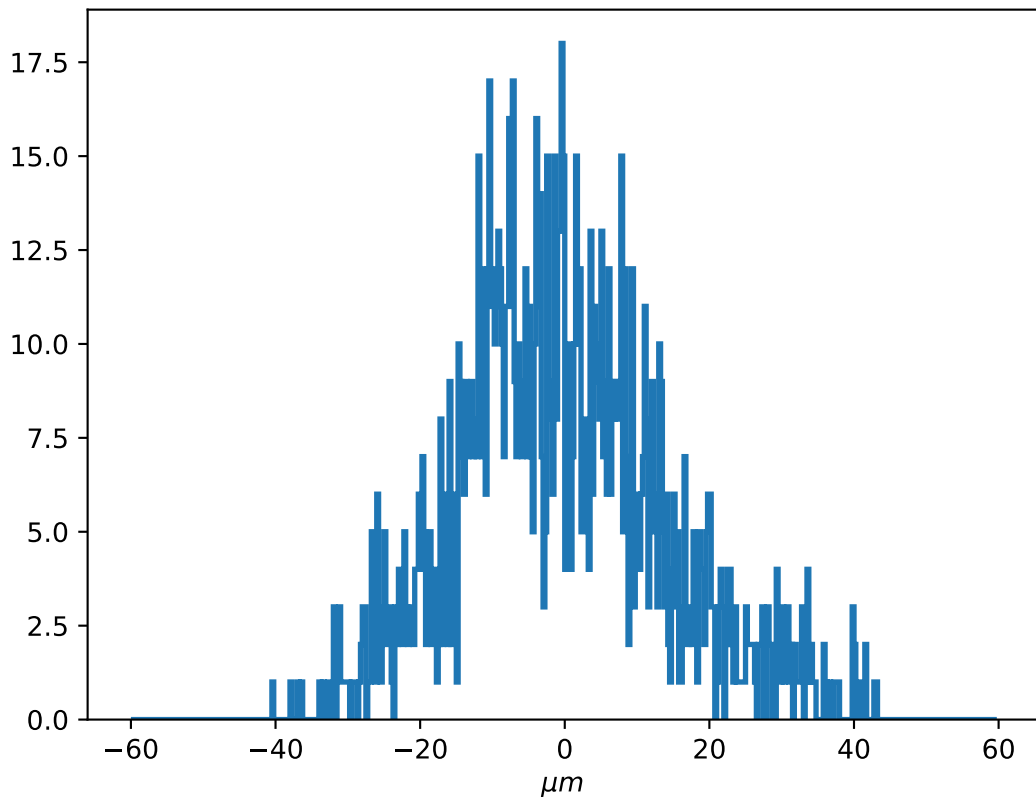residuals in x for clustersize = 7, σ = 17.32

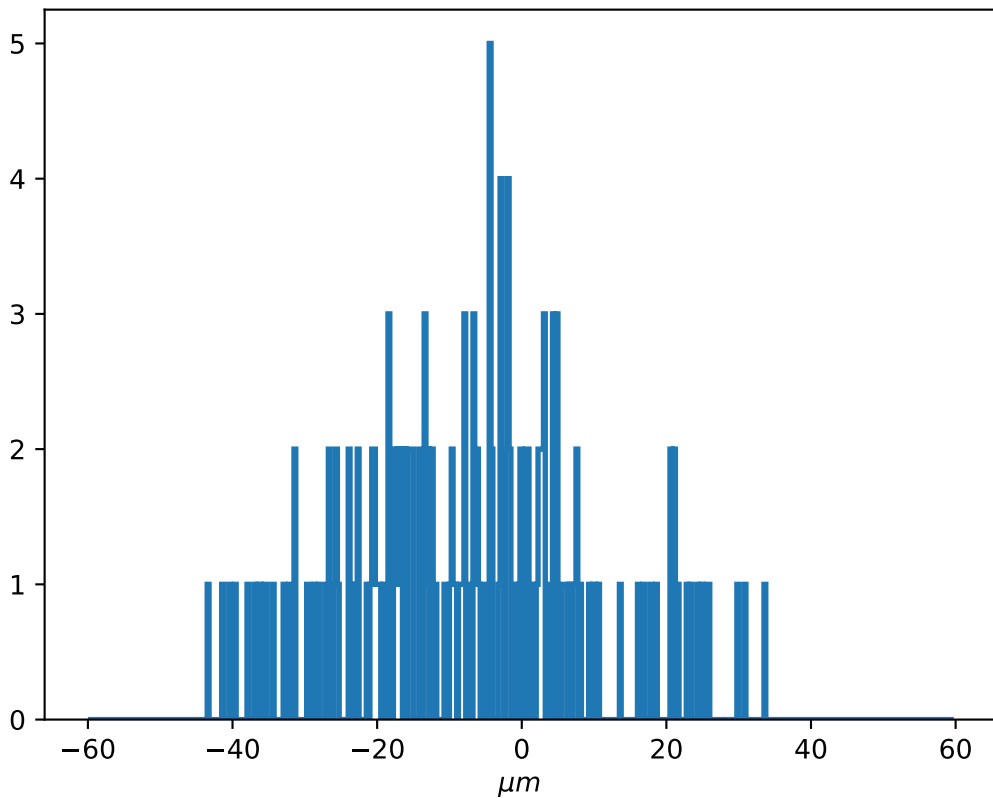residuals in x for clustersize = 8, σ = 18.10

residuals in x for clustersize = 9, σ = 16.92

residuals in x for clustersize = 10, σ = 15.47

residuals in x for clustersize = 11, σ = 16.22

residuals in x for clustersize = 12, $\sigma = 14.73$