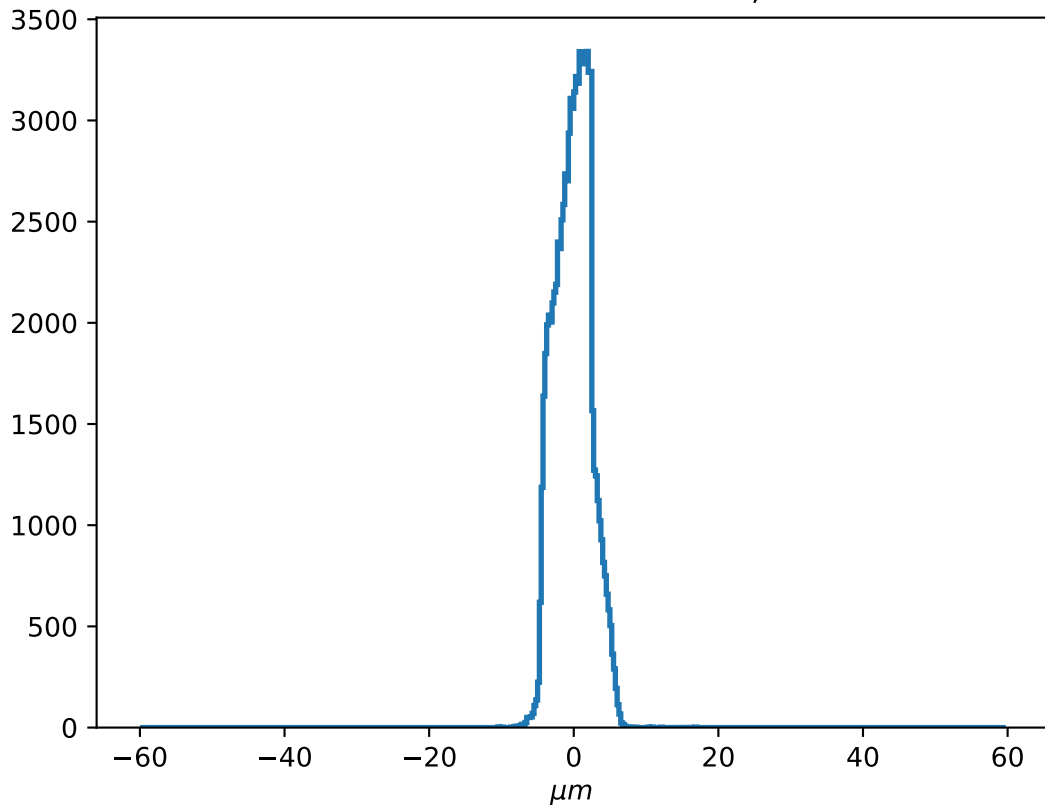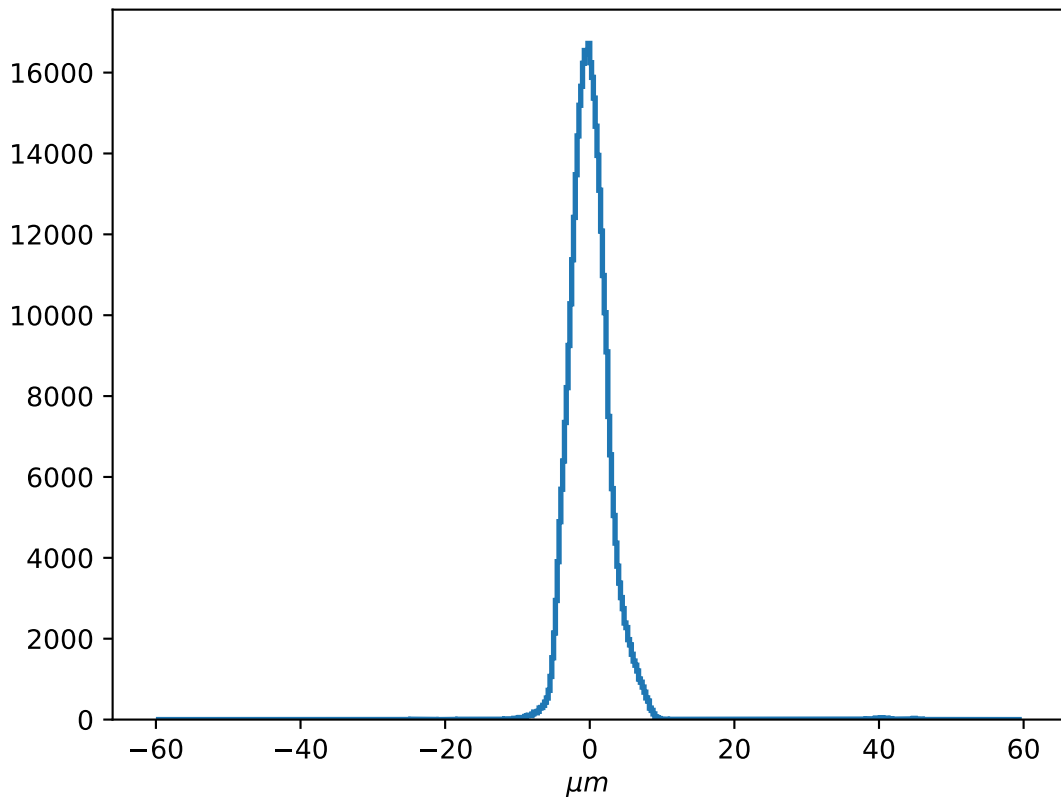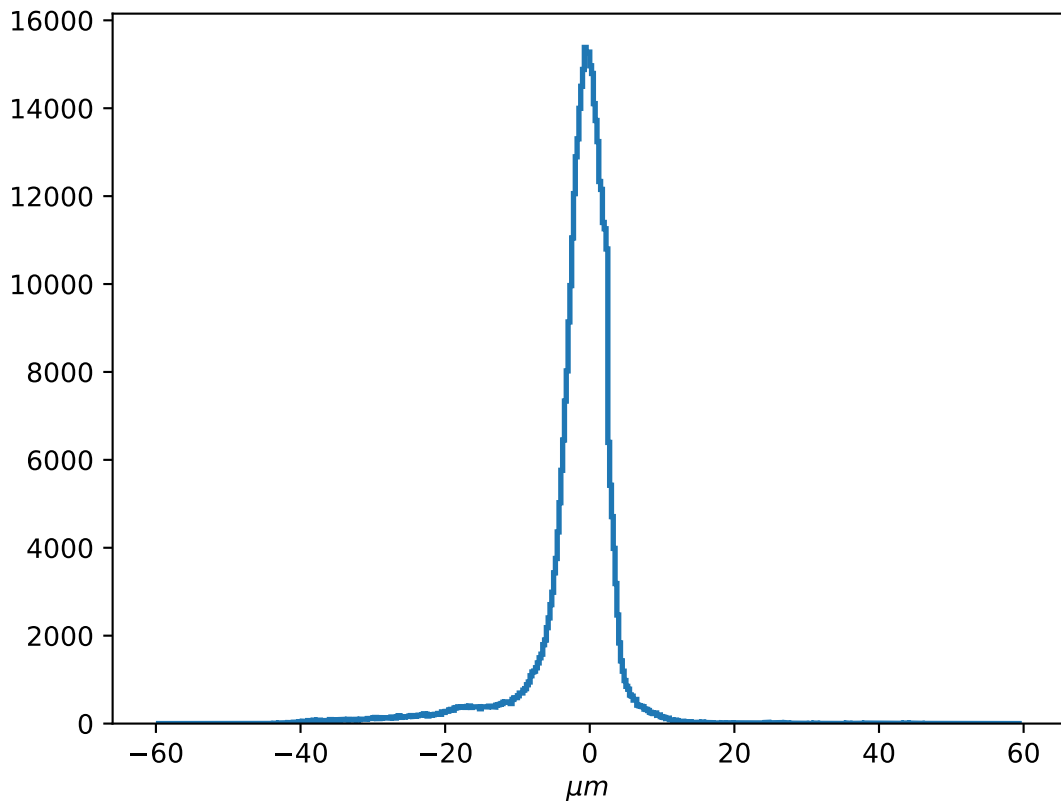residuals in x for clustersize = 1, $\sigma = 2.44$
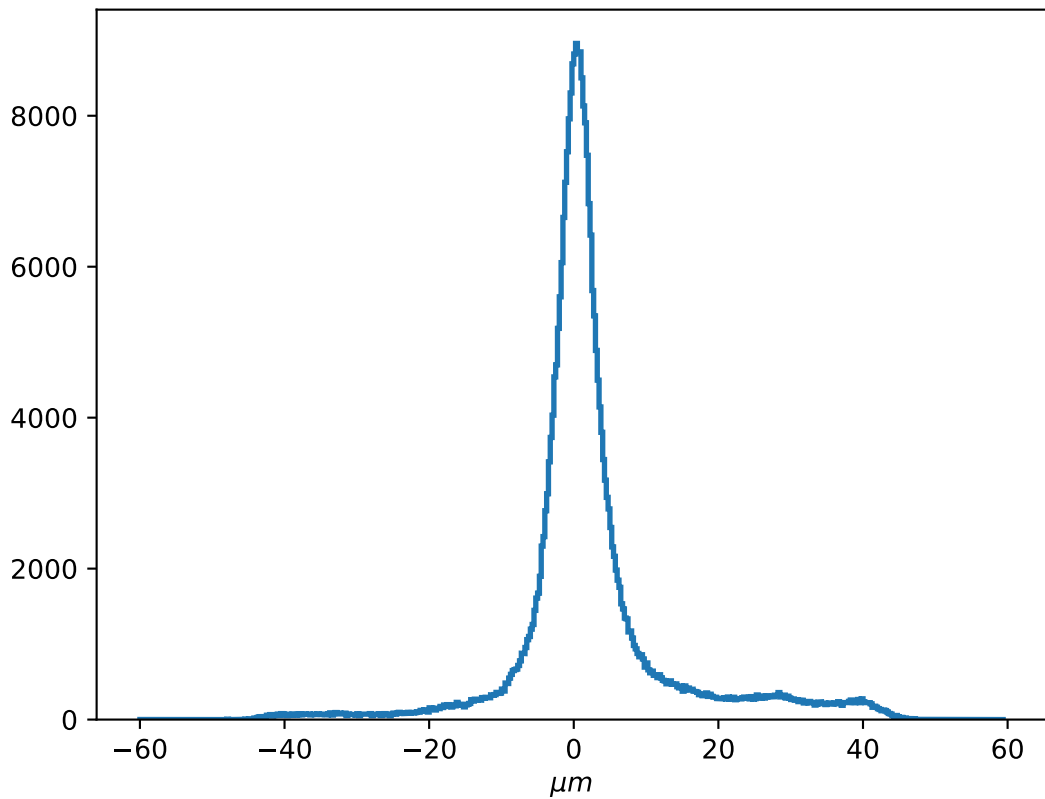
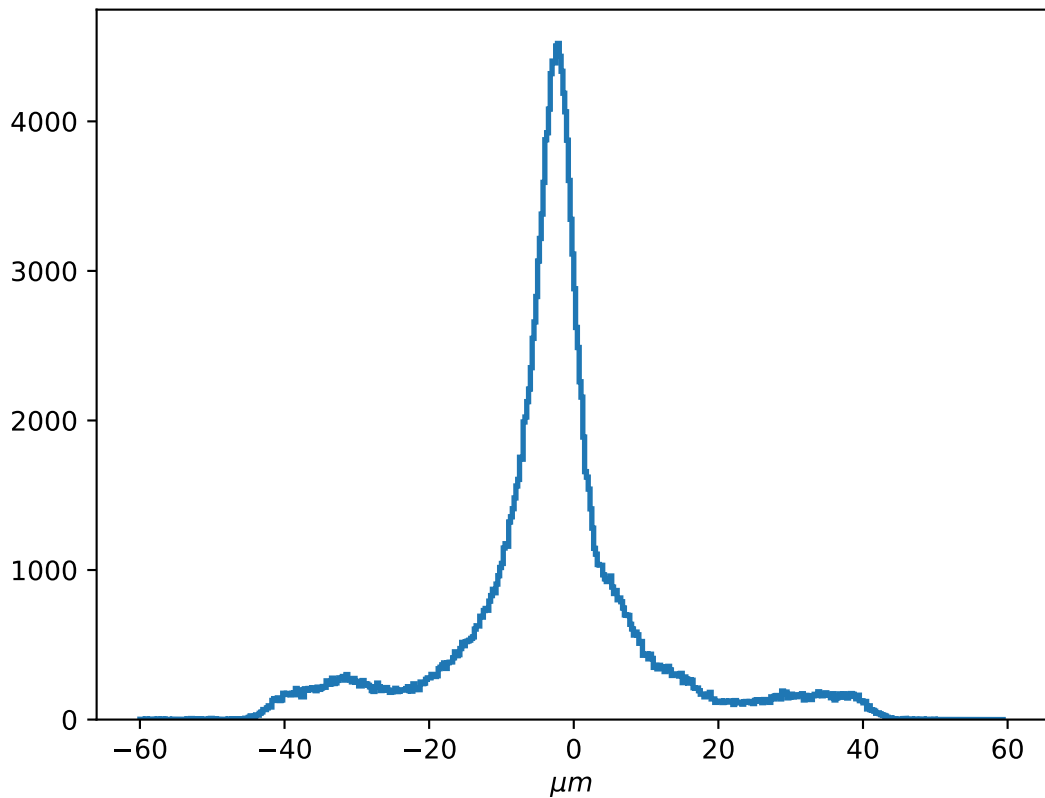residuals in x for clustersize = 2, σ = 3.23

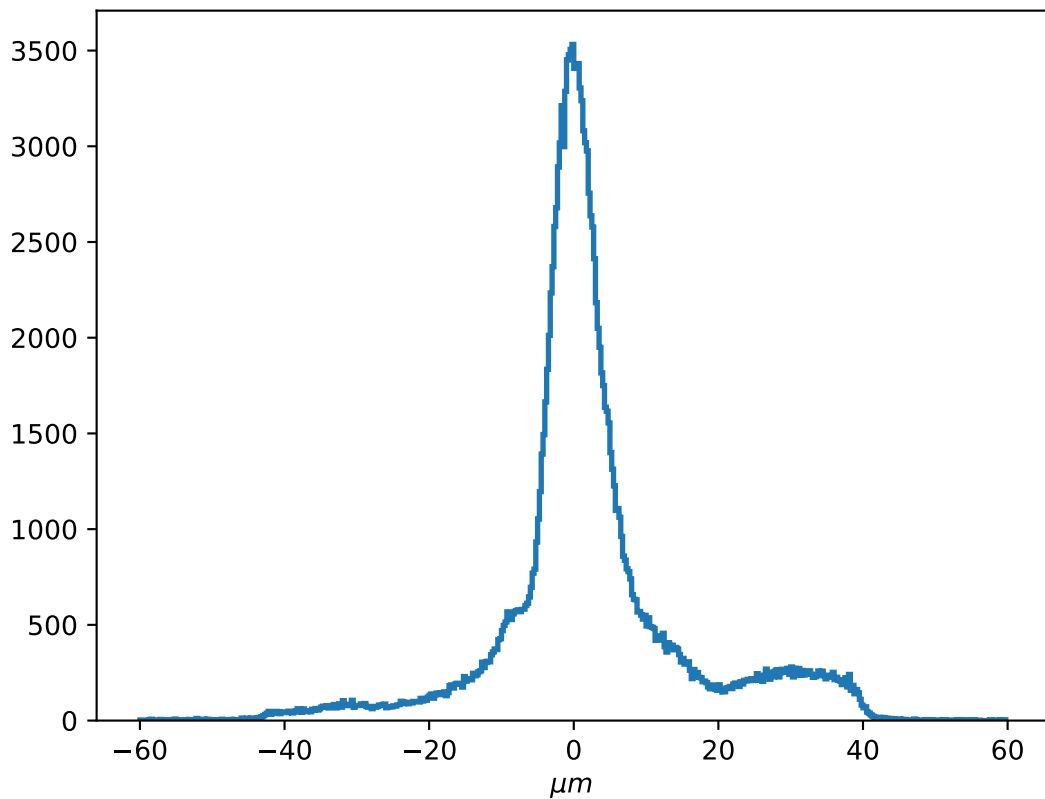residuals in x for clustersize = 3, σ = 6.08

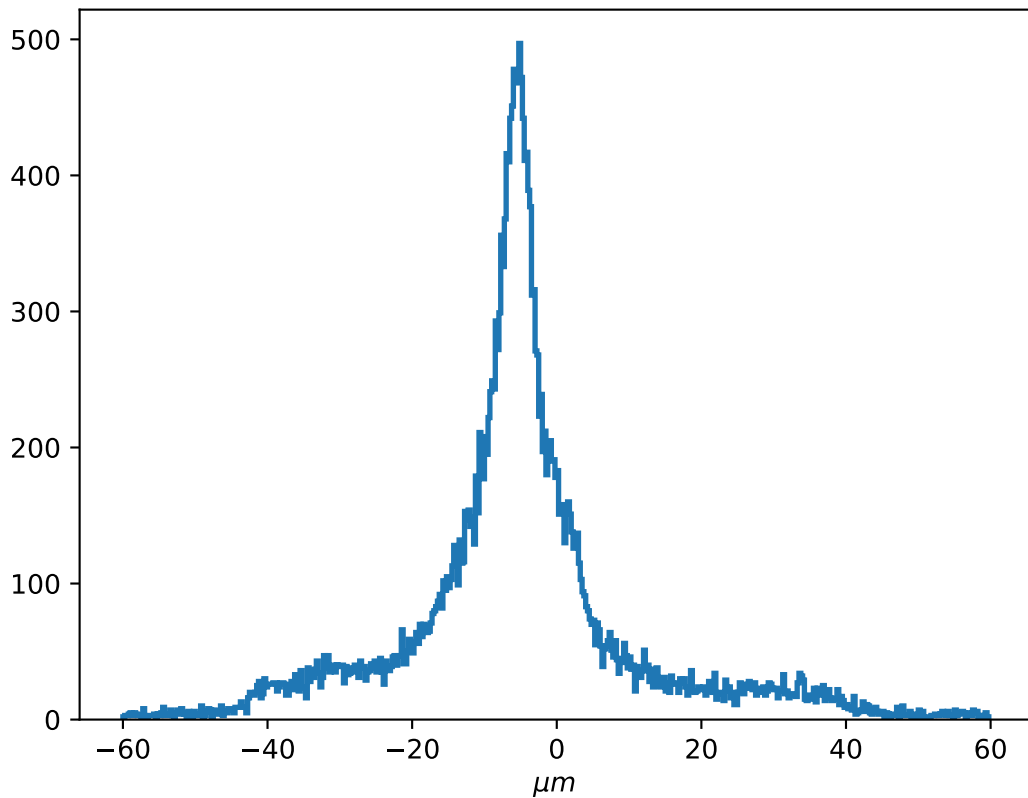residuals in x for clustersize = 4, σ = 10.94
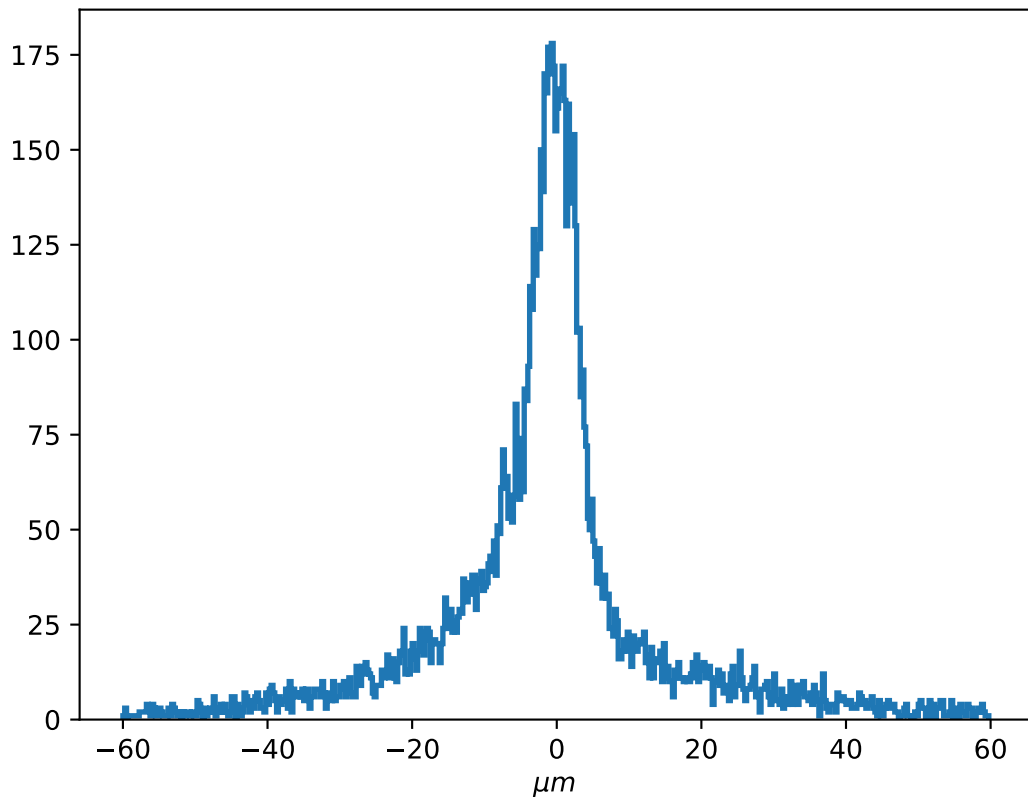
residuals in x for clustersize = 5, $\sigma = 13.48$

residuals in x for clustersize = 6, σ = 13.16

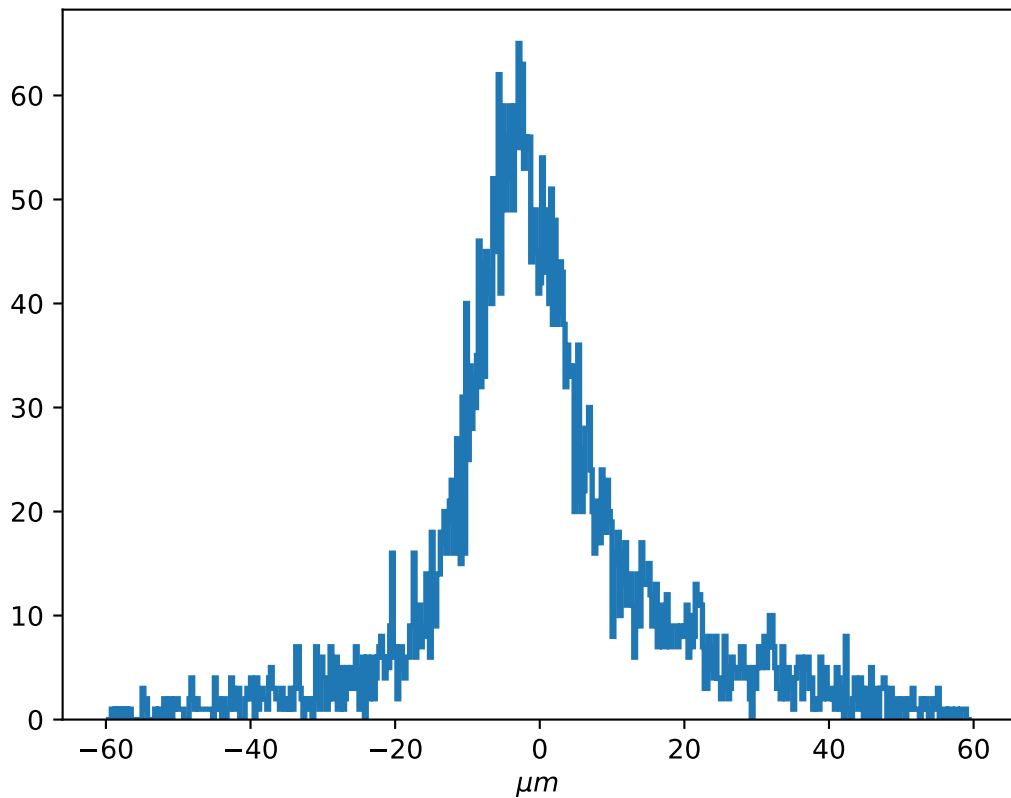residuals in x for clustersize = 7, $\sigma = 17.71$

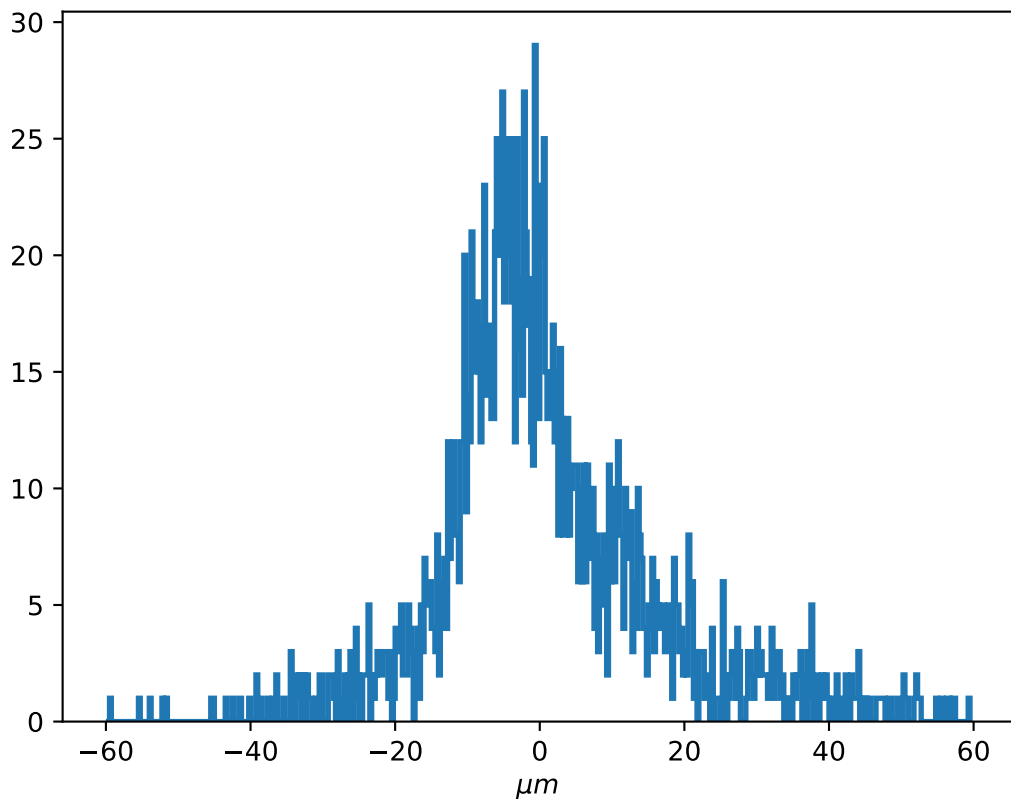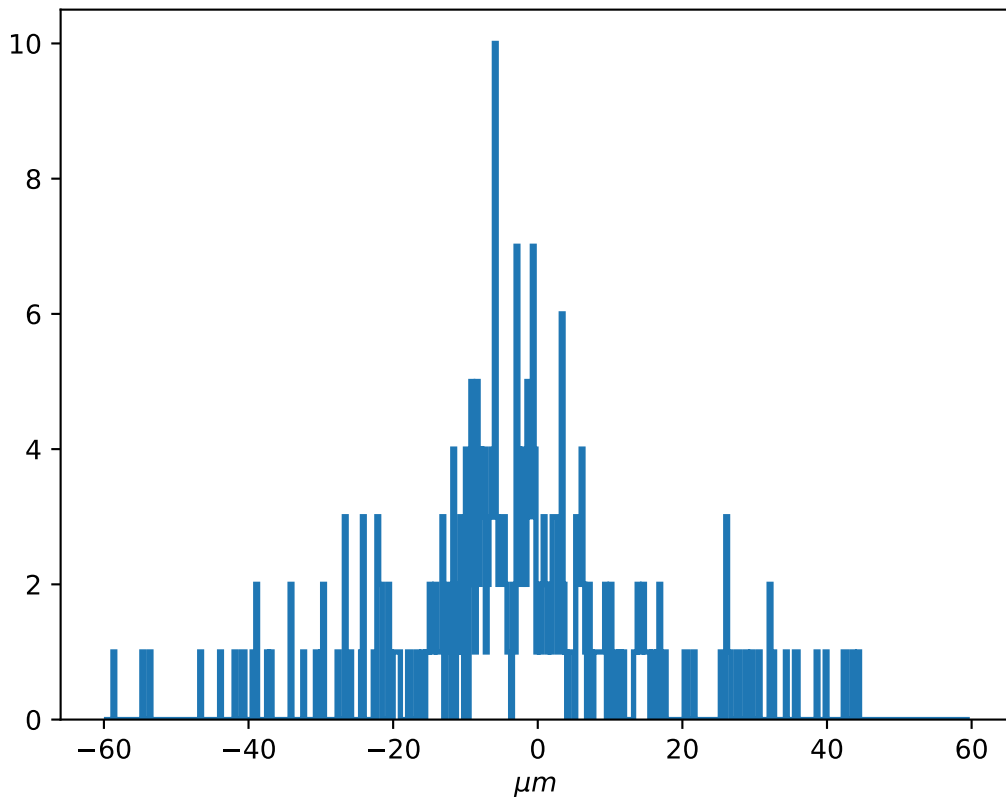residuals in x for clustersize = 8, σ = 20.15

residuals in x for clustersize = 9, $\sigma = 21.12$

residuals in x for clustersize = 10, σ = 18.72

residuals in x for clustersize = 11, σ = 16.69

residuals in x for clustersize = 12, $\sigma = 15.91$