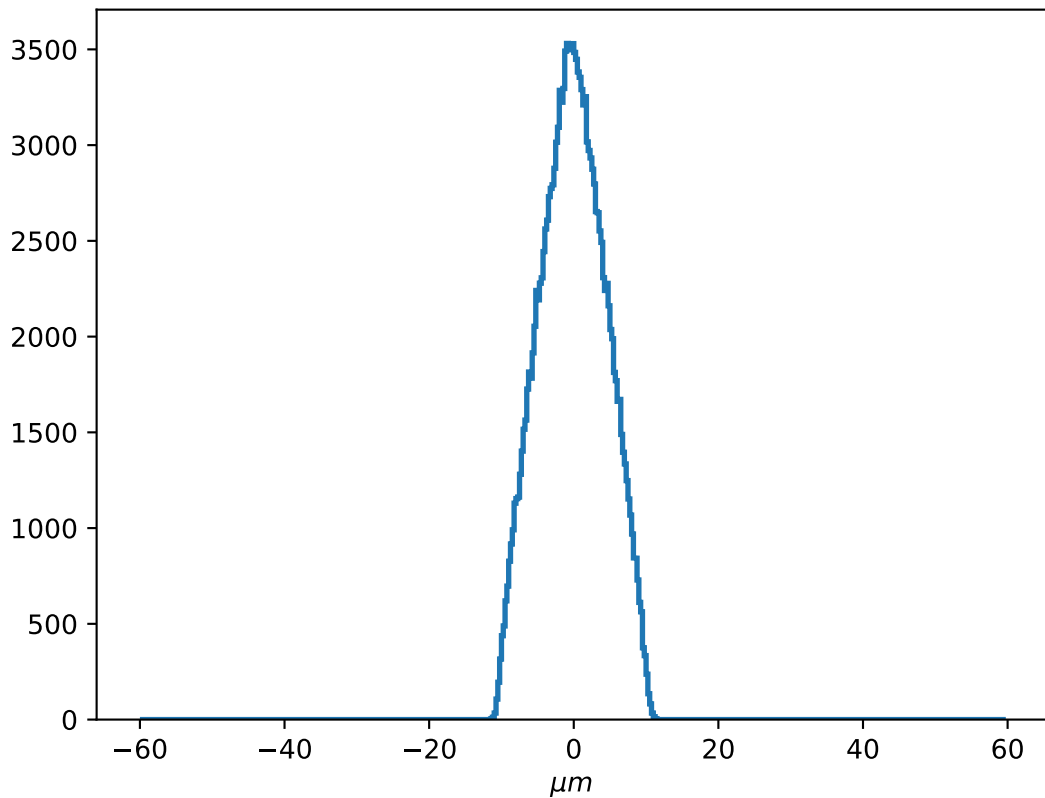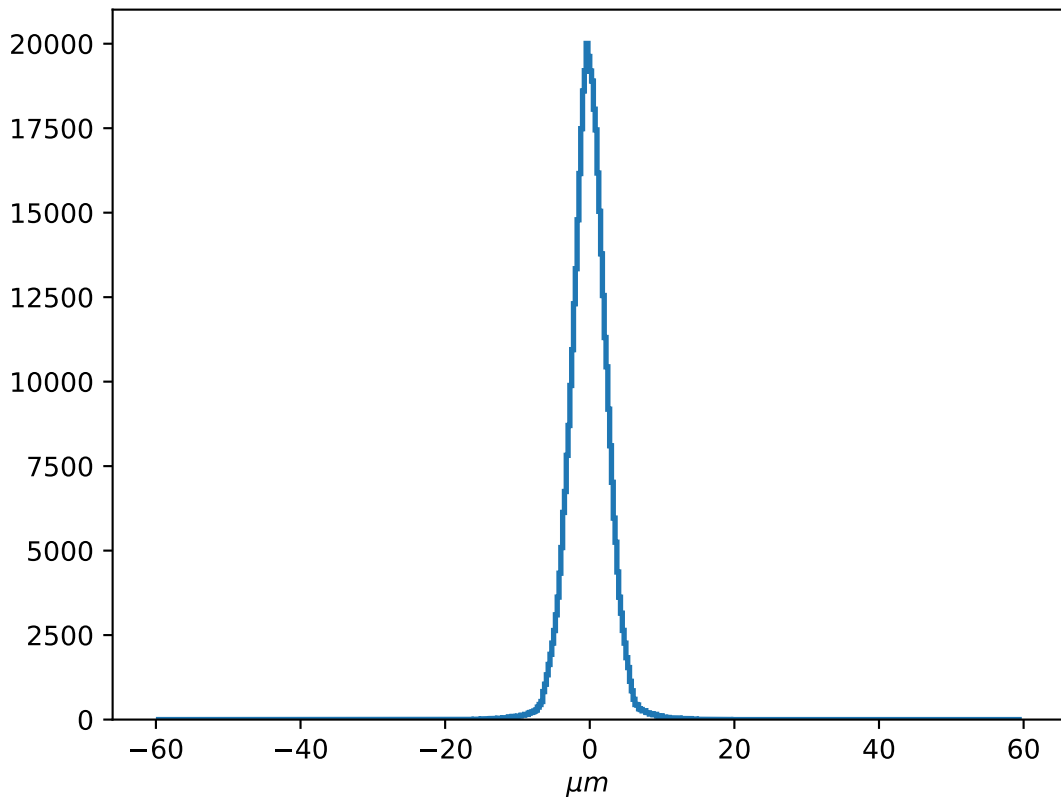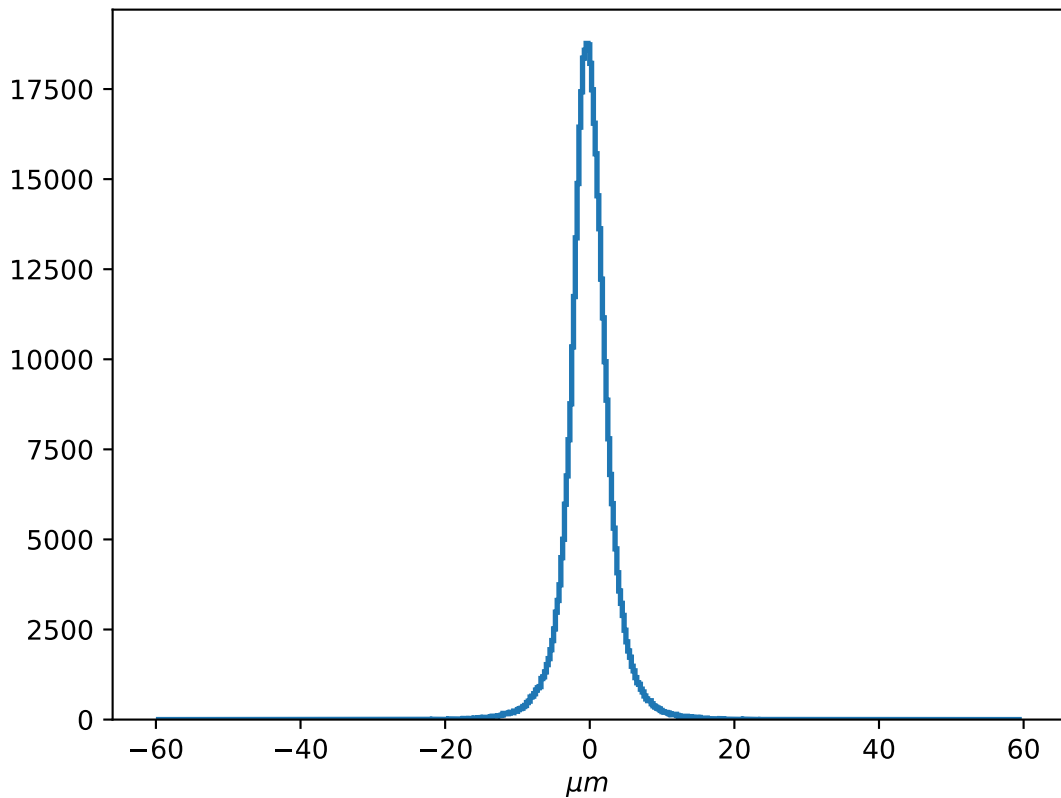residuals in x for clustersize = 1, σ = 4.52
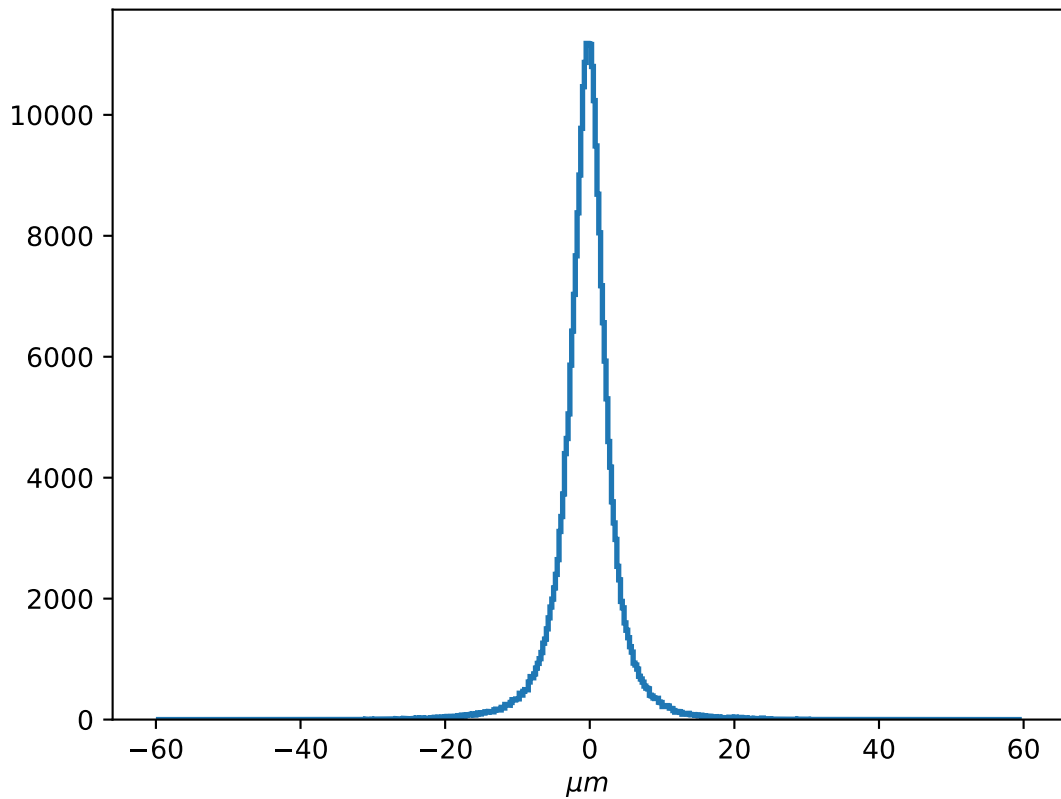
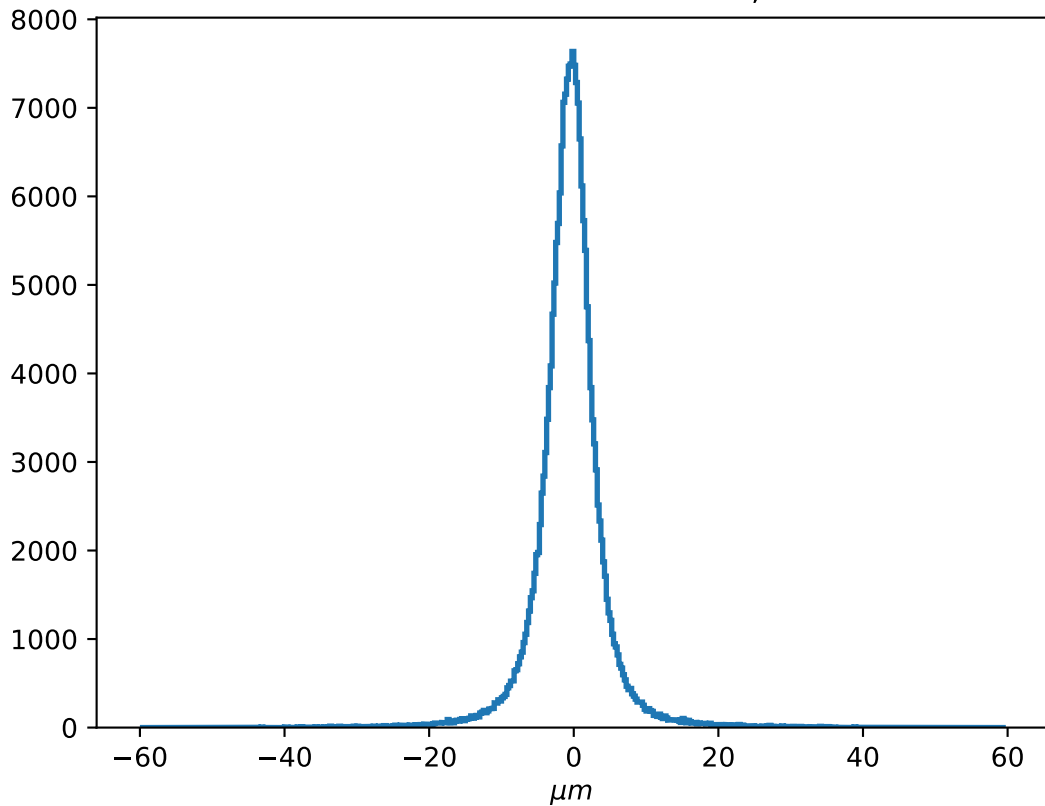residuals in x for clustersize = 2, σ = 2.61
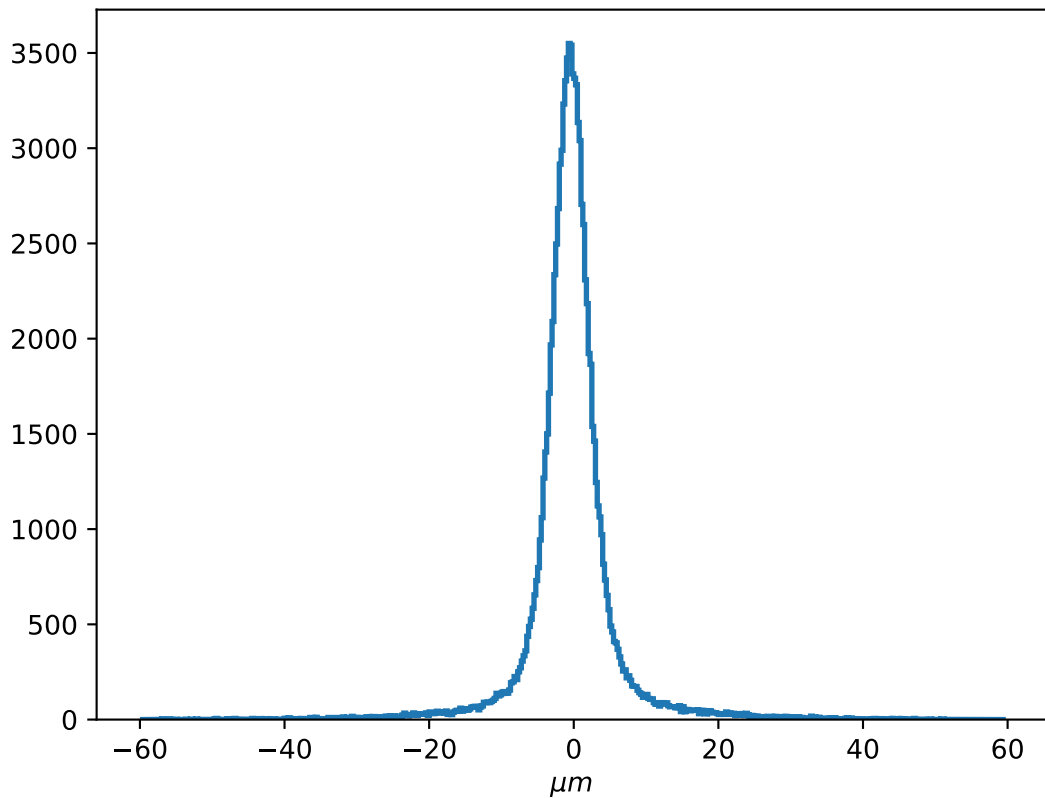
residuals in x for clustersize = 3, σ = 3.25

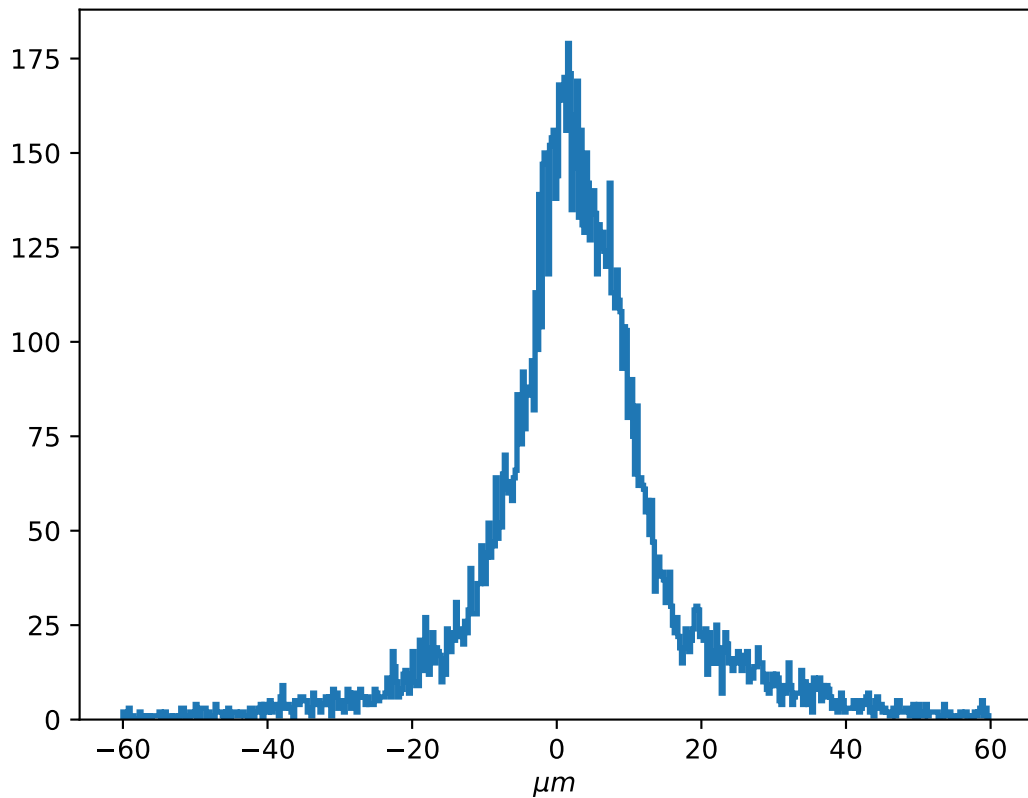residuals in x for clustersize = 4, $\sigma = 4.28$
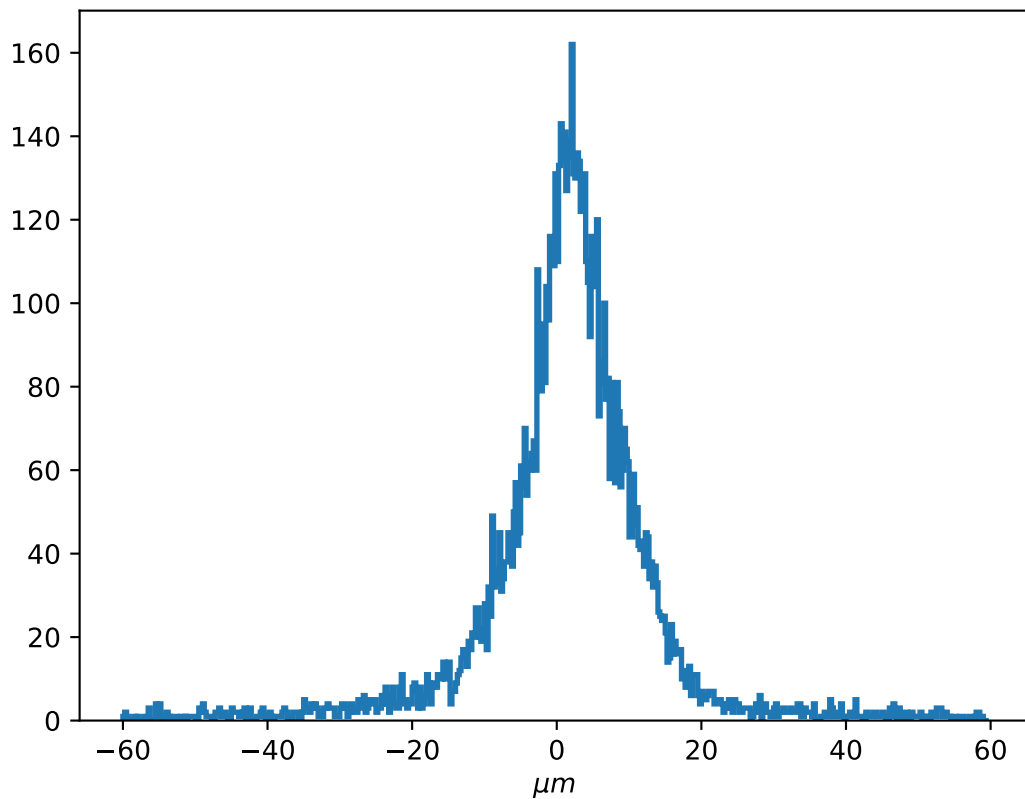
residuals in x for clustersize = 5, σ = 5.11

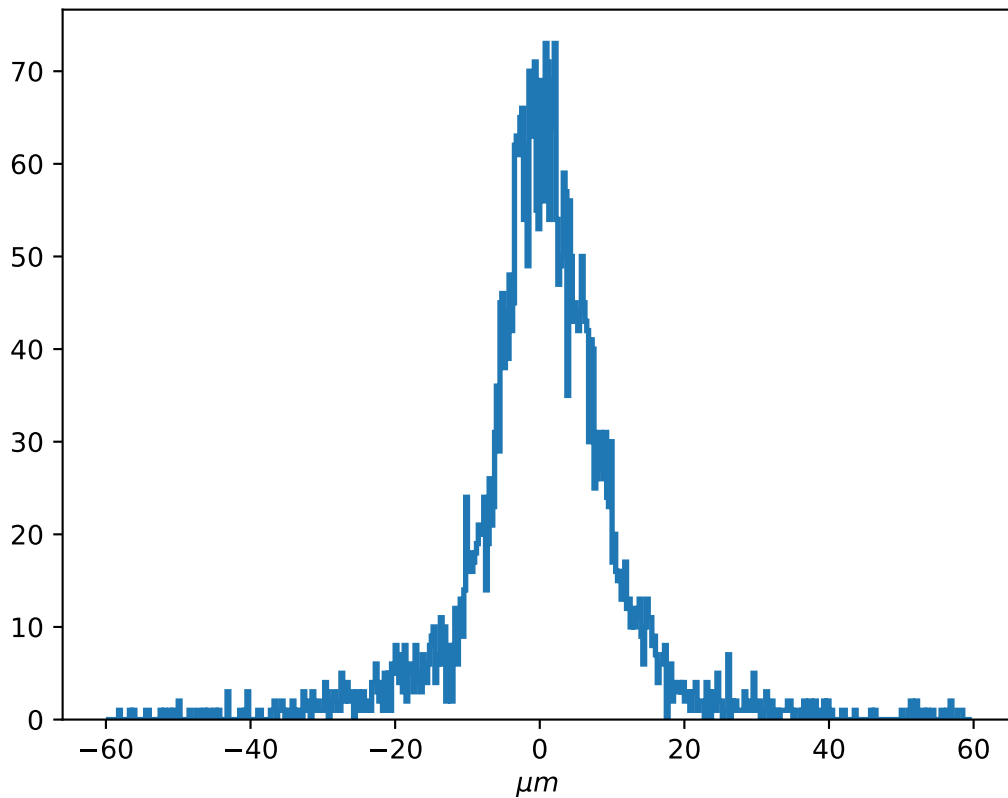residuals in x for clustersize = 6, $\sigma = 6.89$

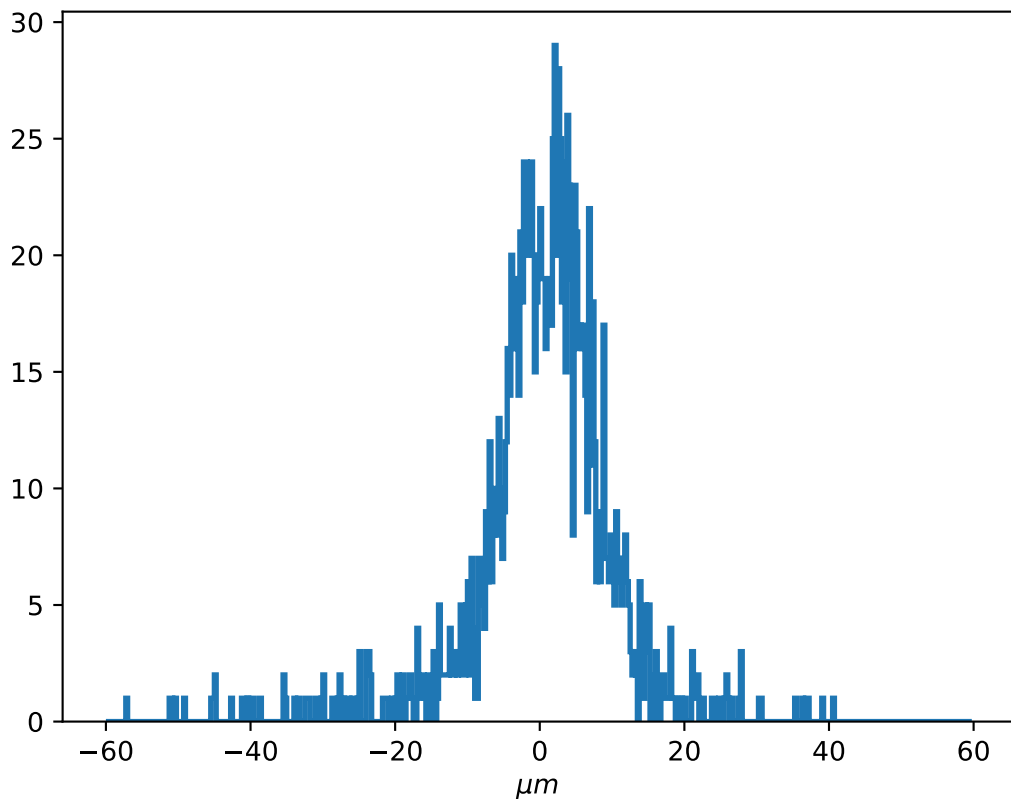residuals in x for clustersize = 7, $\sigma = 16.60$

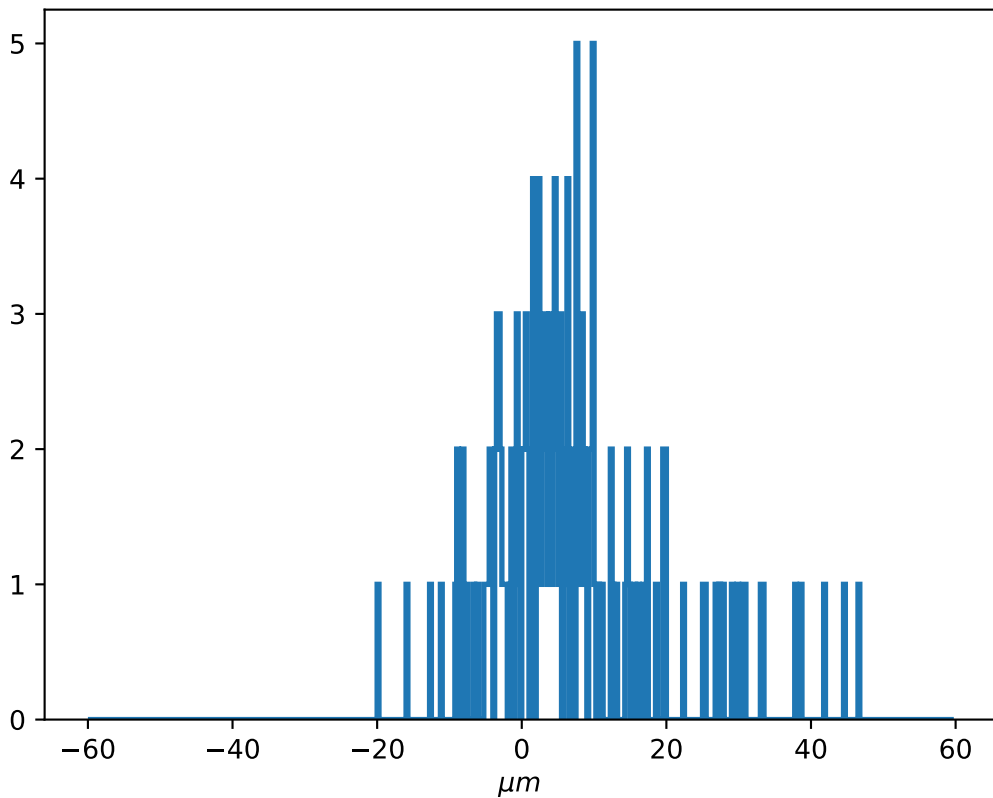residuals in x for clustersize = 8, $\sigma = 16.17$

residuals in x for clustersize = 9, $\sigma = 13.89$

residuals in x for clustersize = 10, σ = 10.97

residuals in x for clustersize = 11, σ = 11.58

residuals in x for clustersize = 12, $\sigma = 8.06$