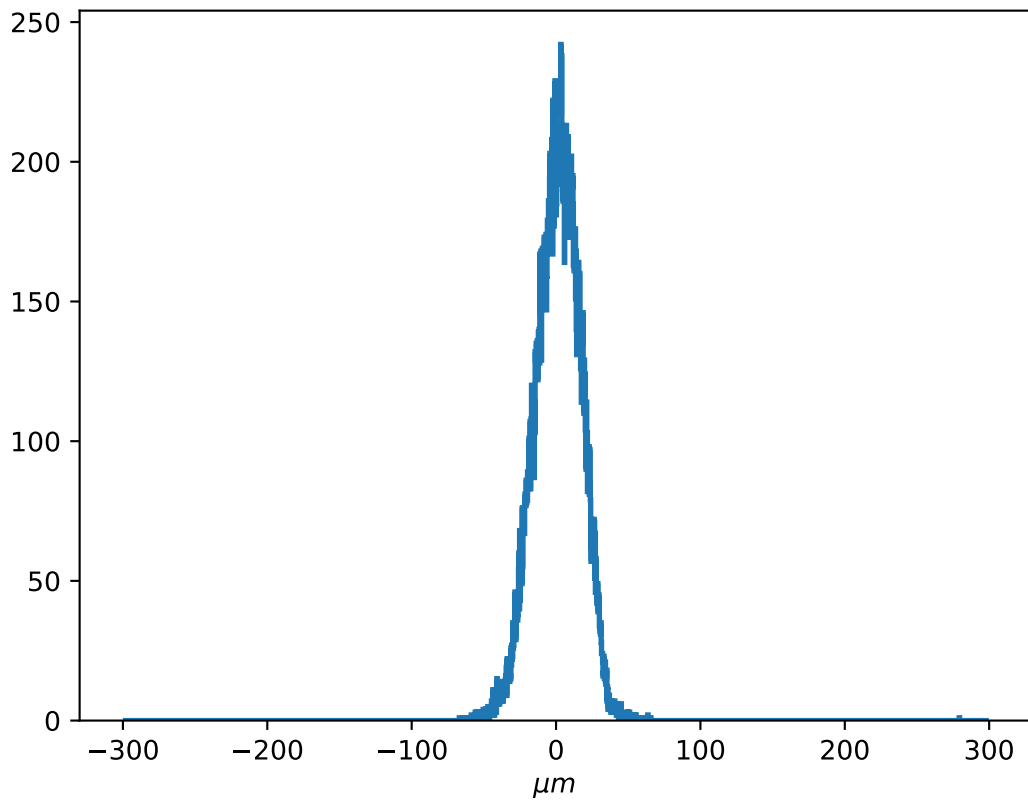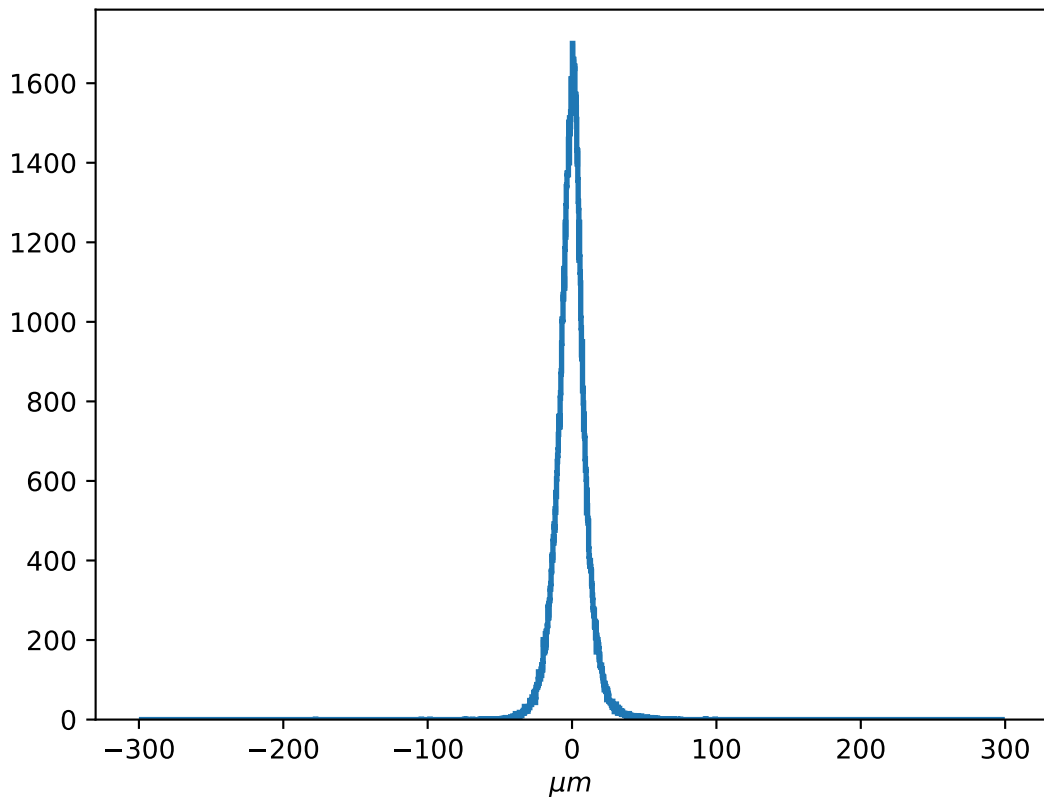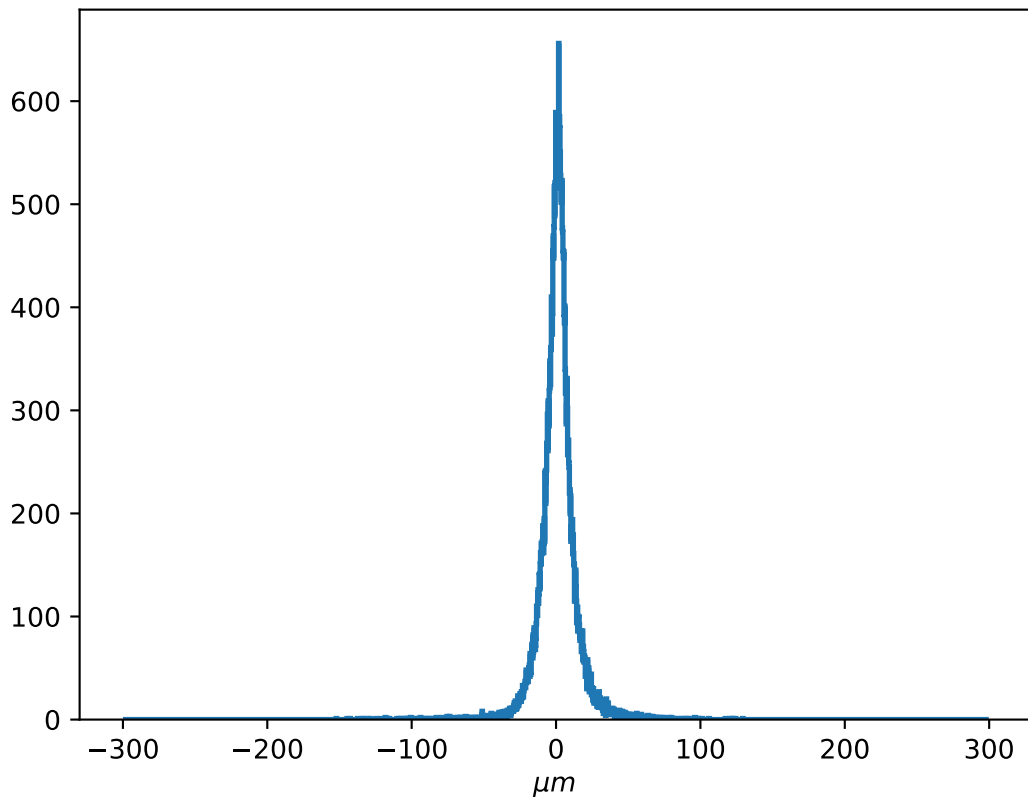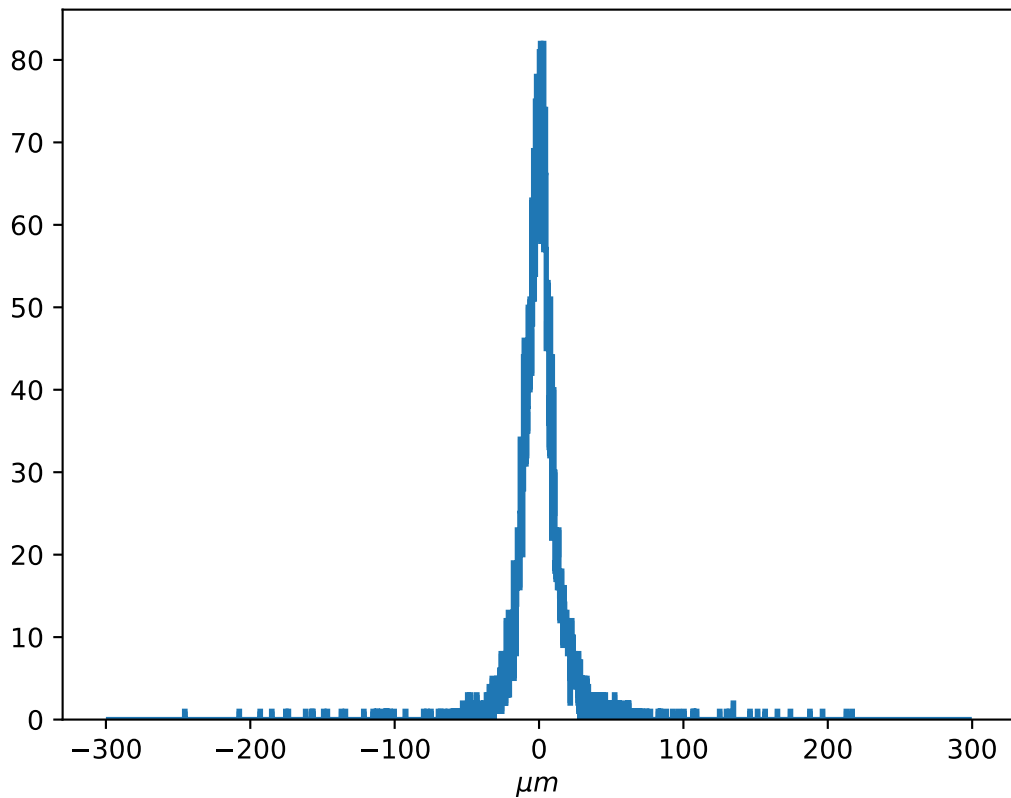residuals in x for clustersize = 1, σ = 15.74

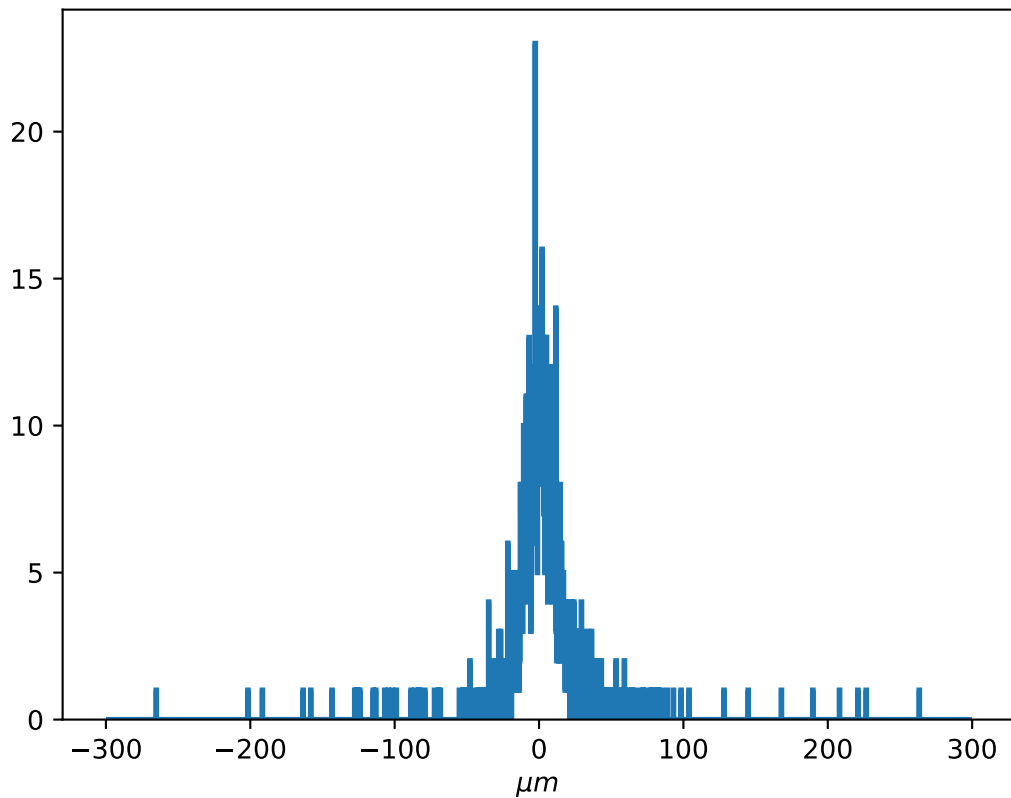residuals in x for clustersize = 2, σ = 10.33

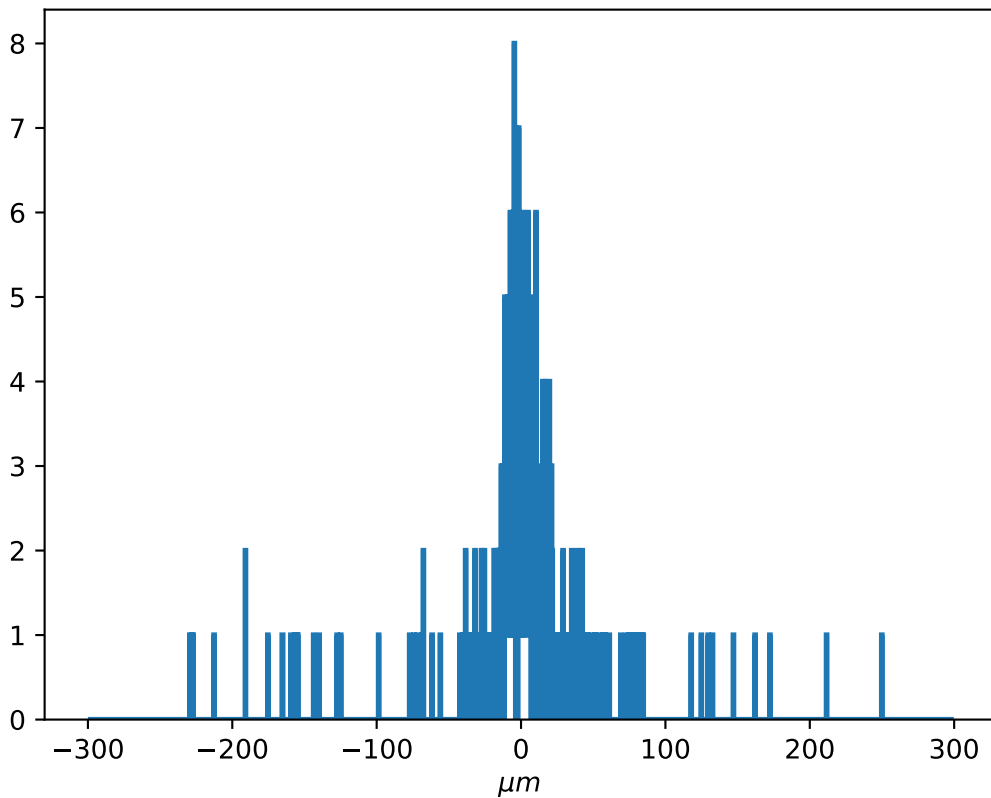residuals in x for clustersize = 3, σ = 12.74

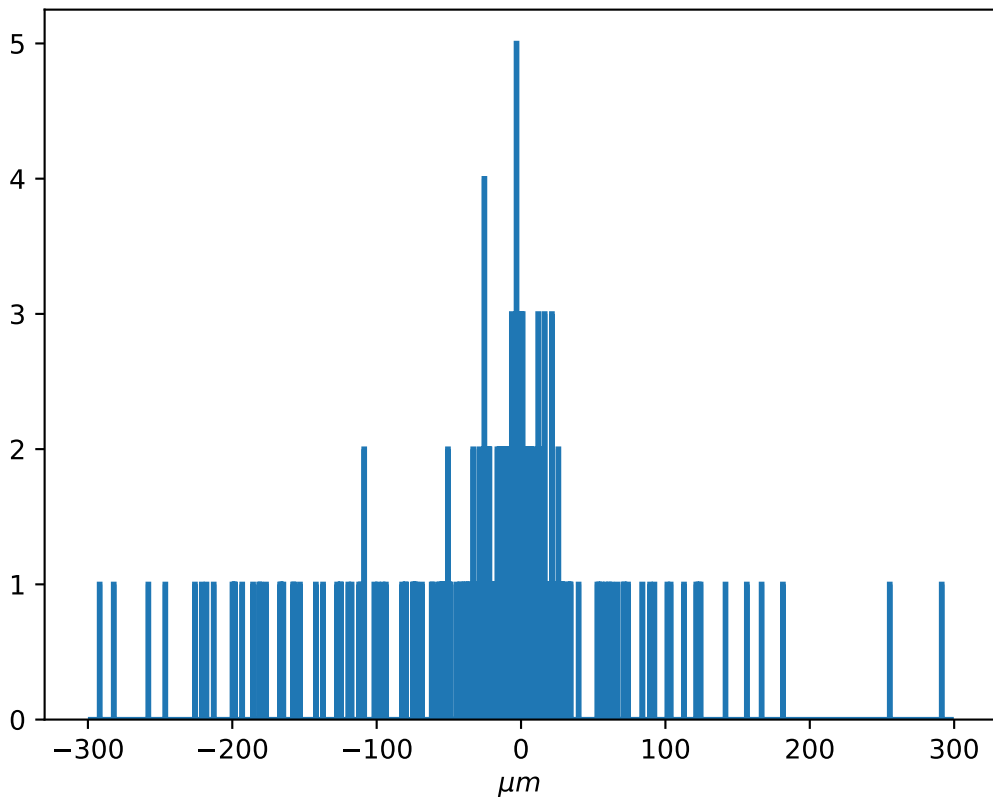residuals in x for clustersize = 4, $\sigma = 18.62$

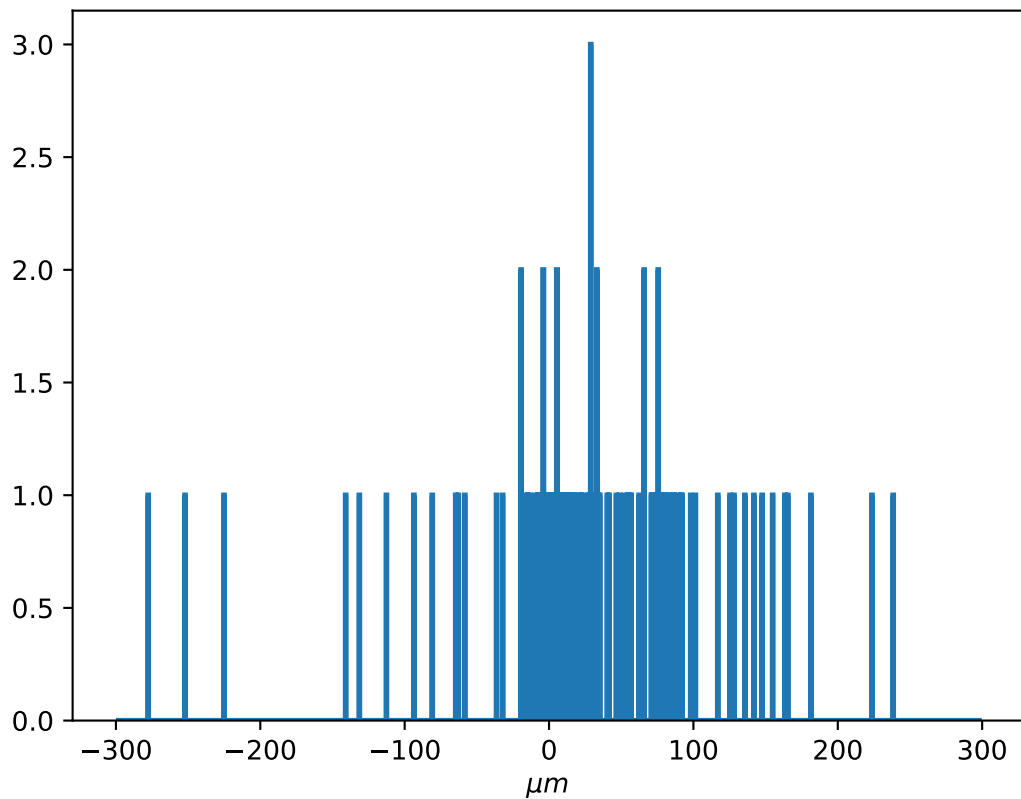residuals in x for clustersize = 5, σ = 29.03

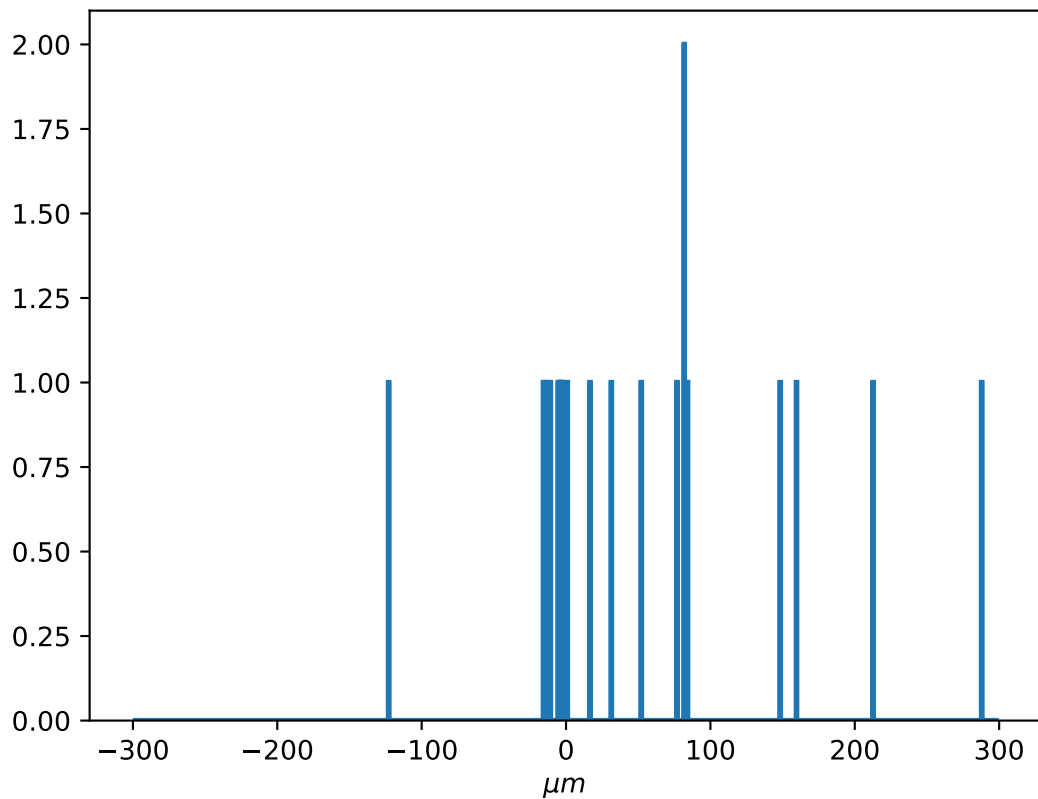residuals in x for clustersize = 6, $\sigma = 64.61$

residuals in x for clustersize = 7, σ = 139.80

residuals in x for clustersize = 8, σ = 251.38

residuals in x for clustersize = 9, σ = 89.97

residuals in x for clustersize = 10, σ = 0.00