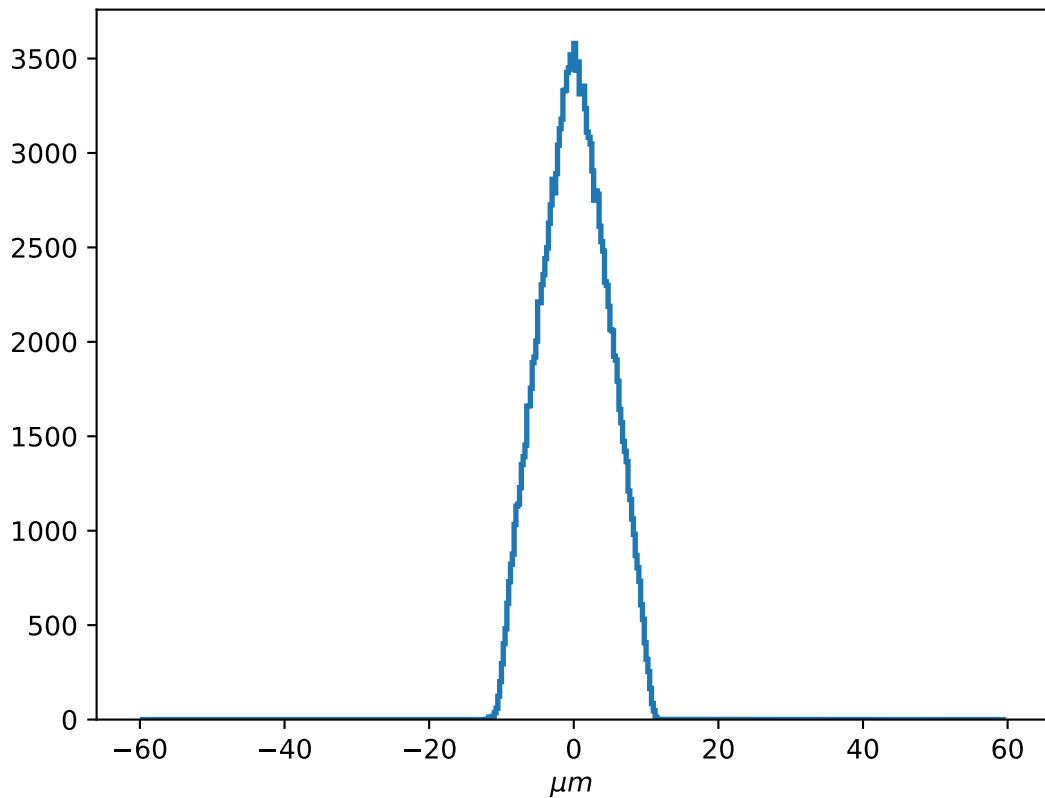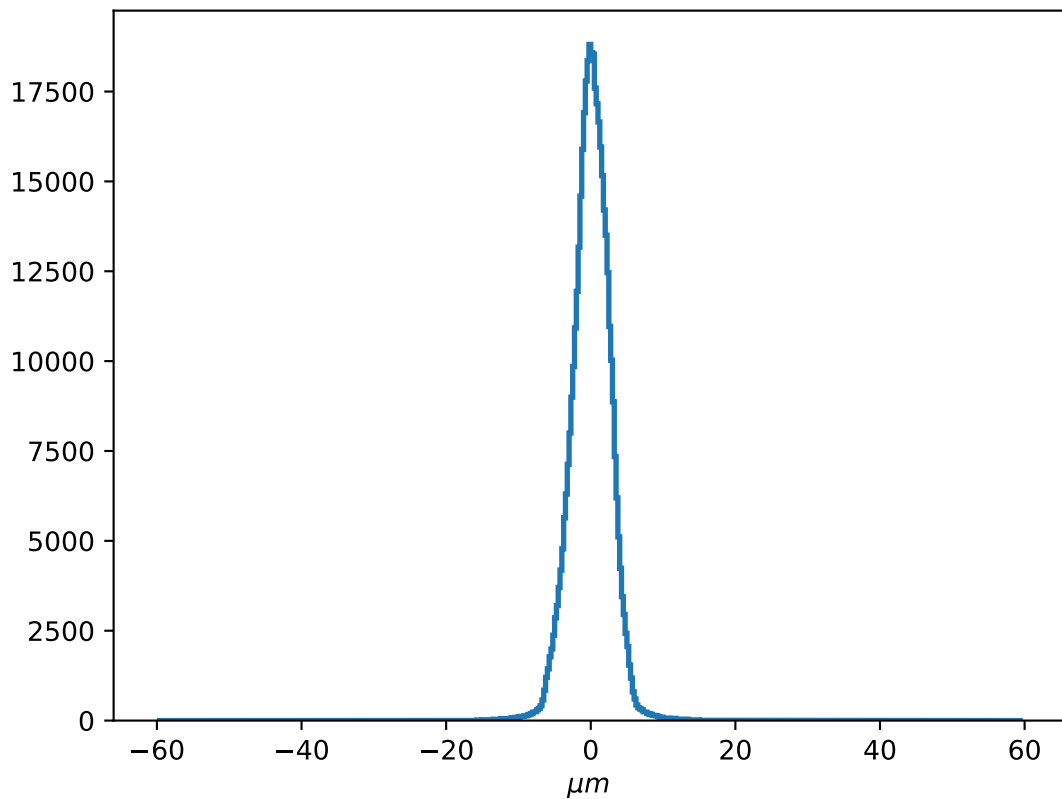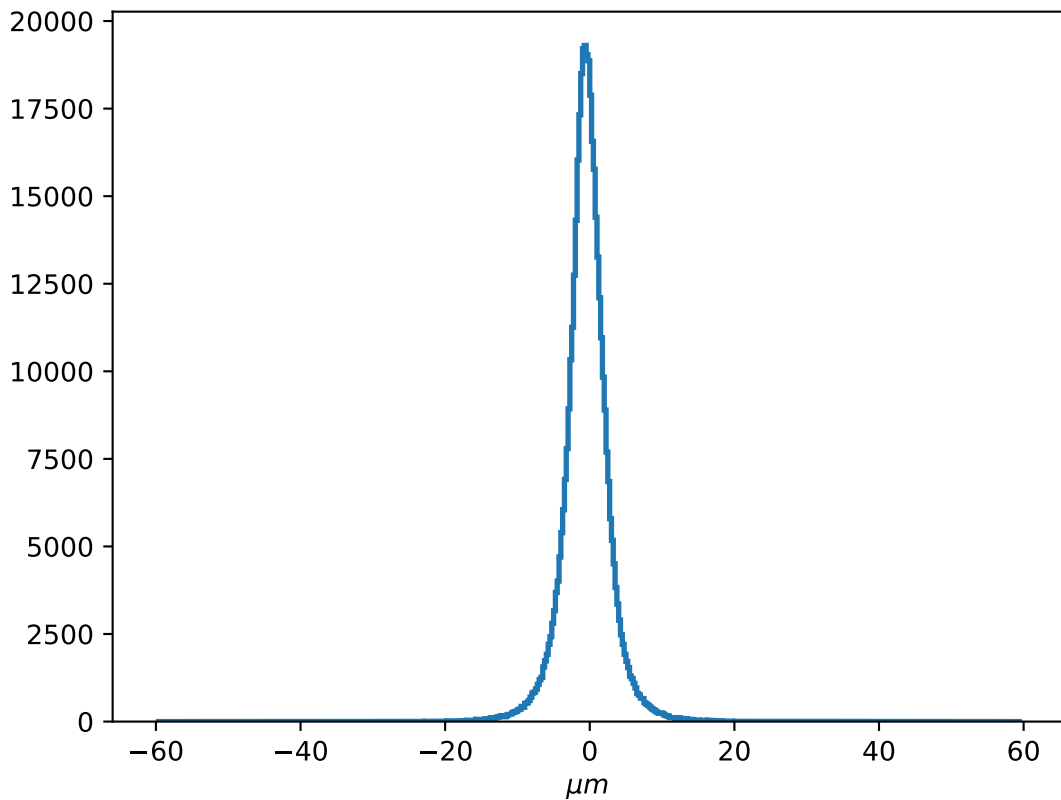residuals in x for clustersize = 1, $\sigma = 4.53$
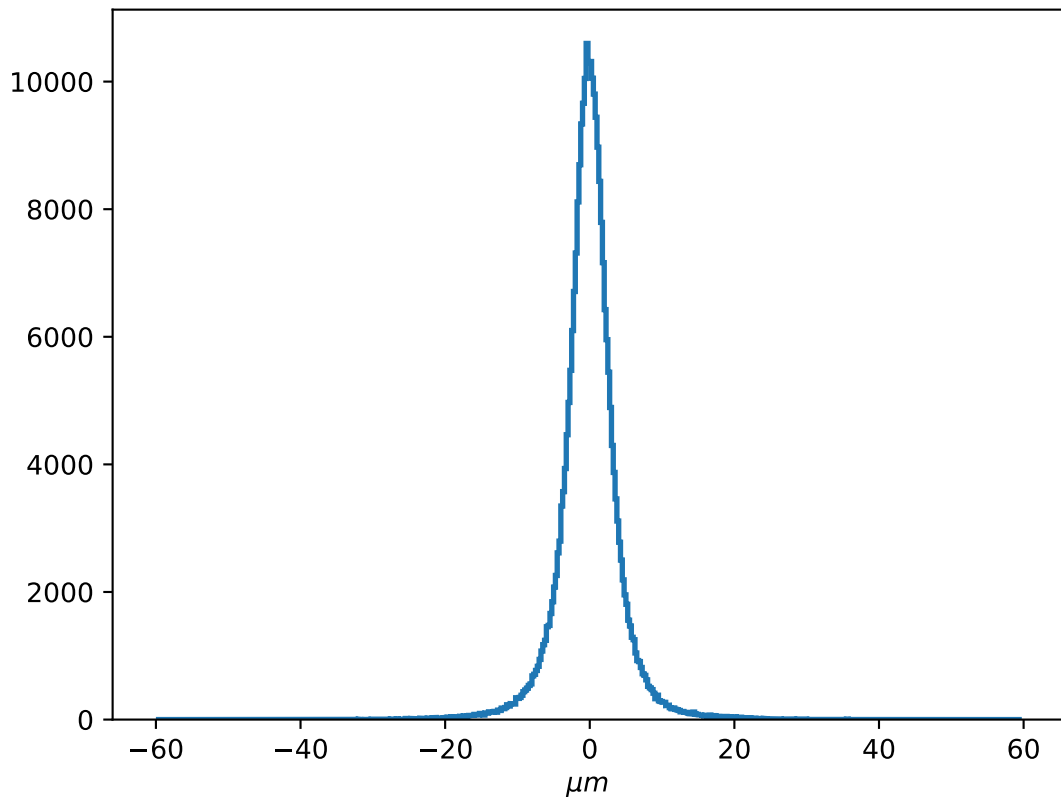
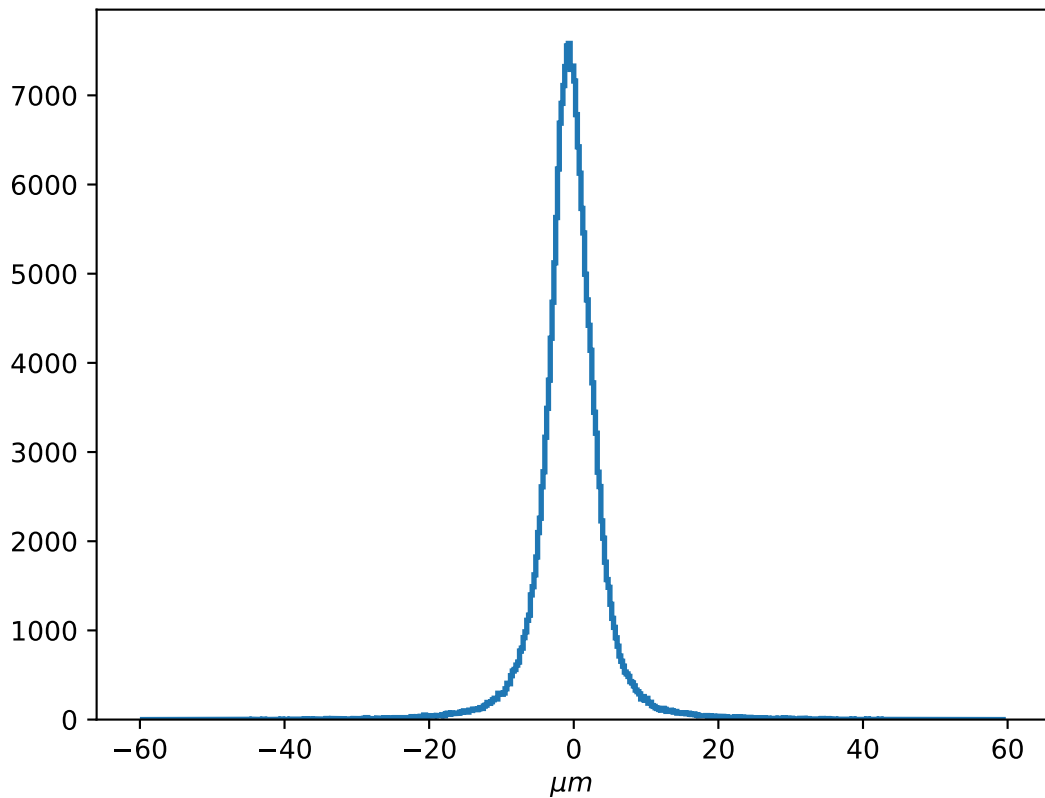residuals in x for clustersize = 2, σ = 2.67

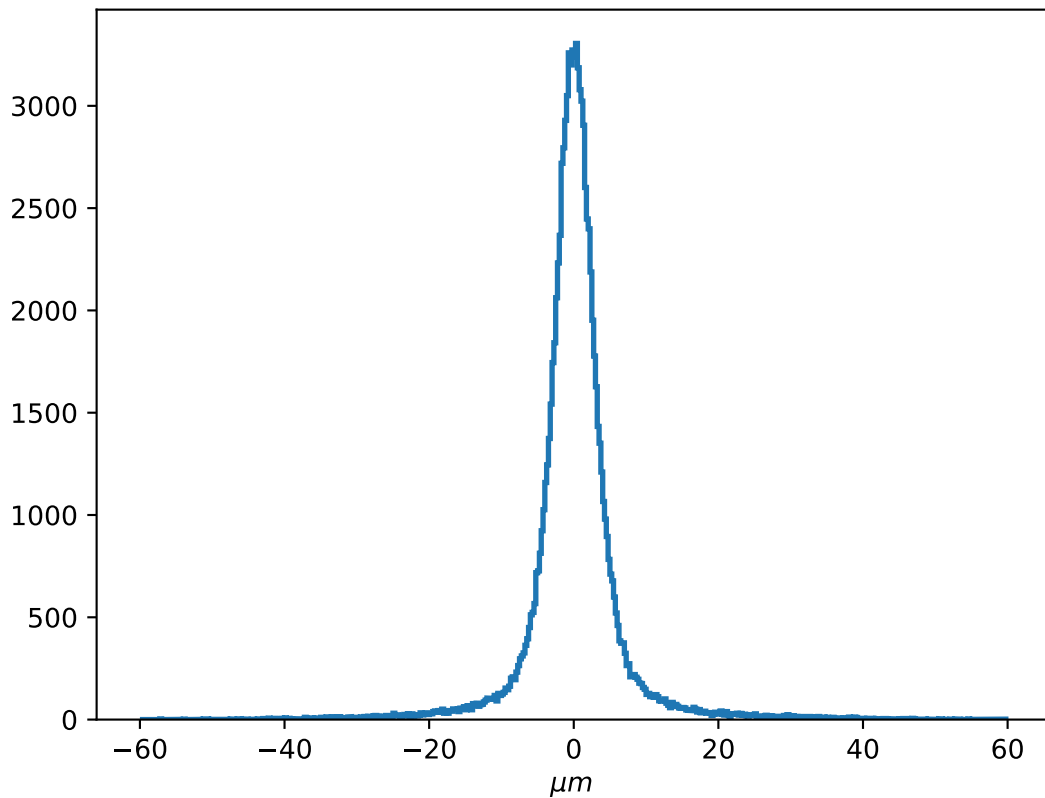residuals in x for clustersize = 3, σ = 3.25

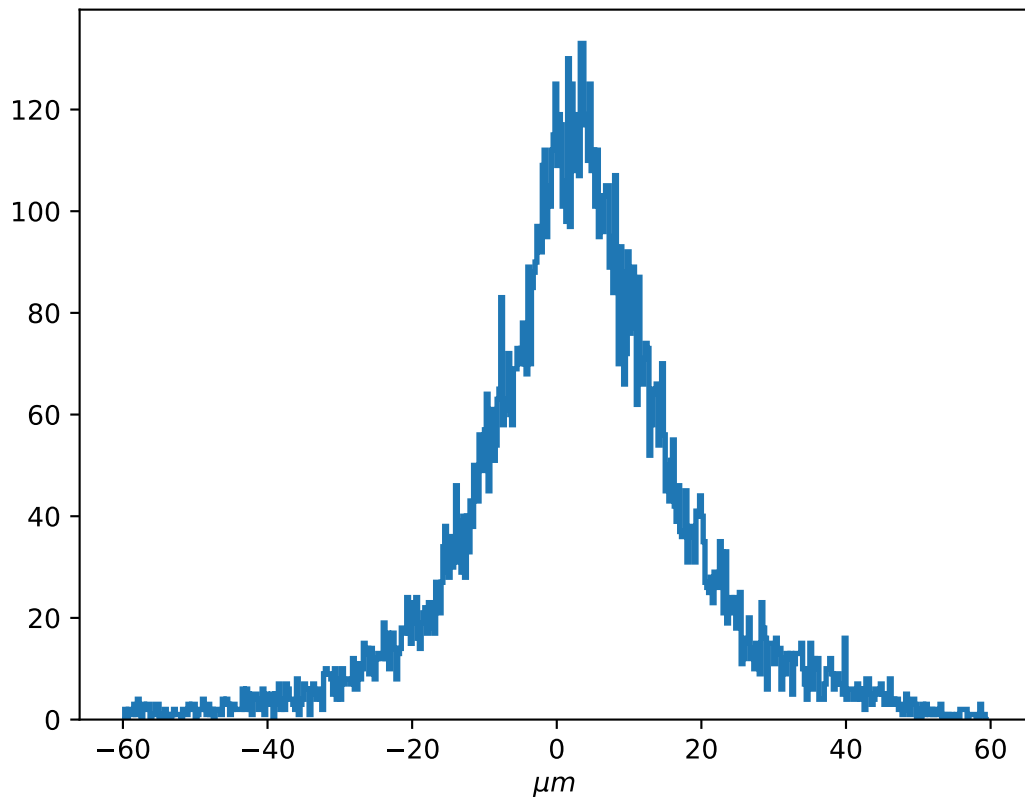residuals in x for clustersize = 4, $\sigma = 4.26$
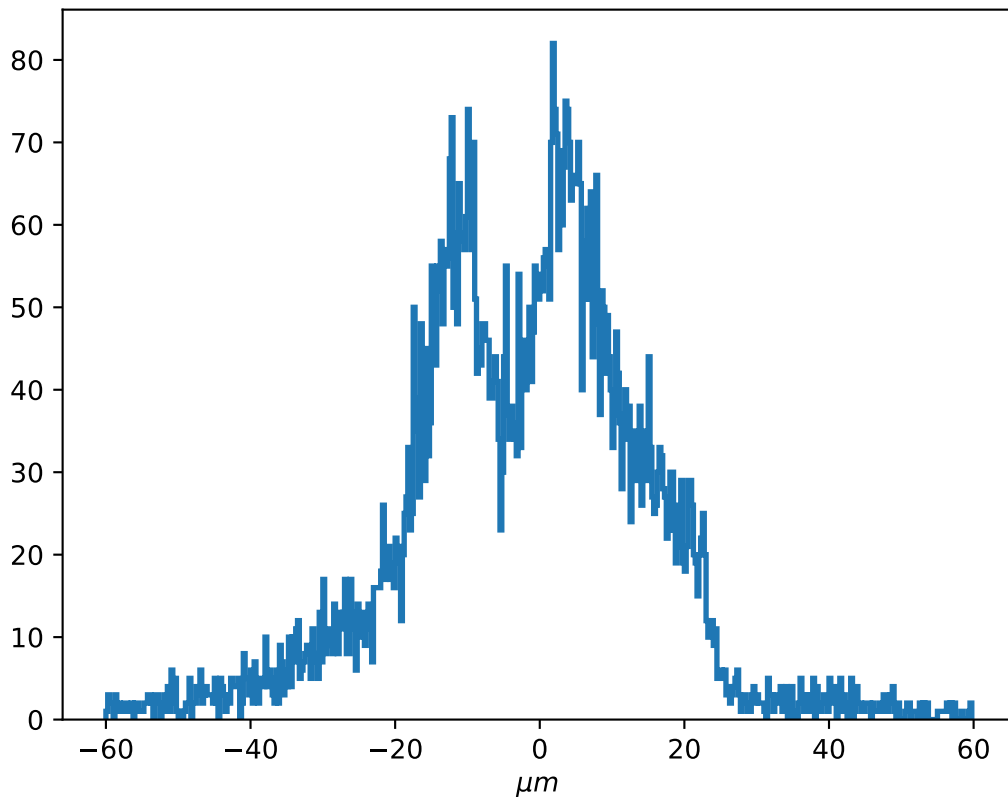
residuals in x for clustersize = 5, $\sigma = 5.07$

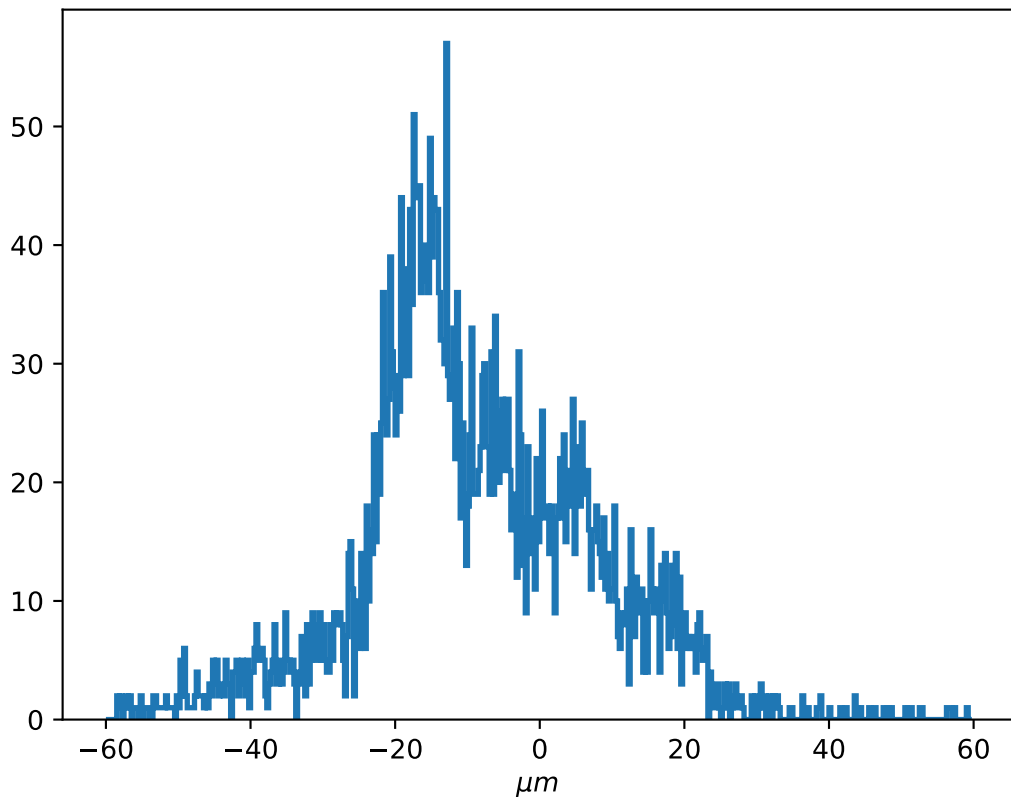residuals in x for clustersize = 6, $\sigma = 6.98$

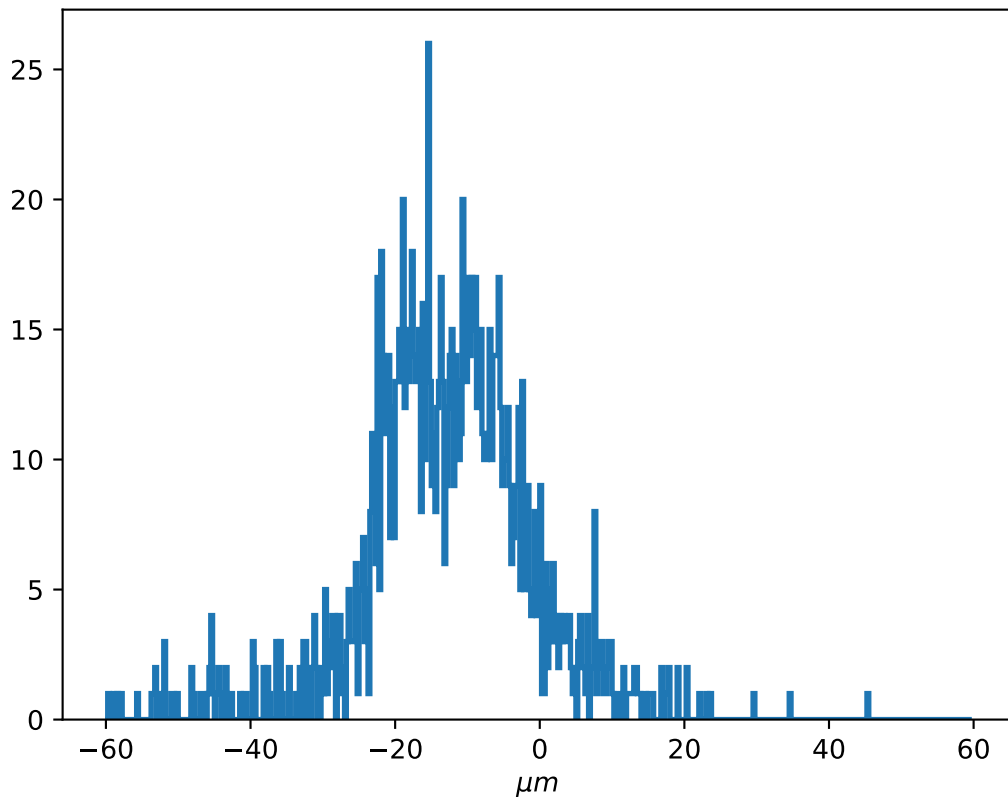residuals in x for clustersize = 7, σ = 17.83

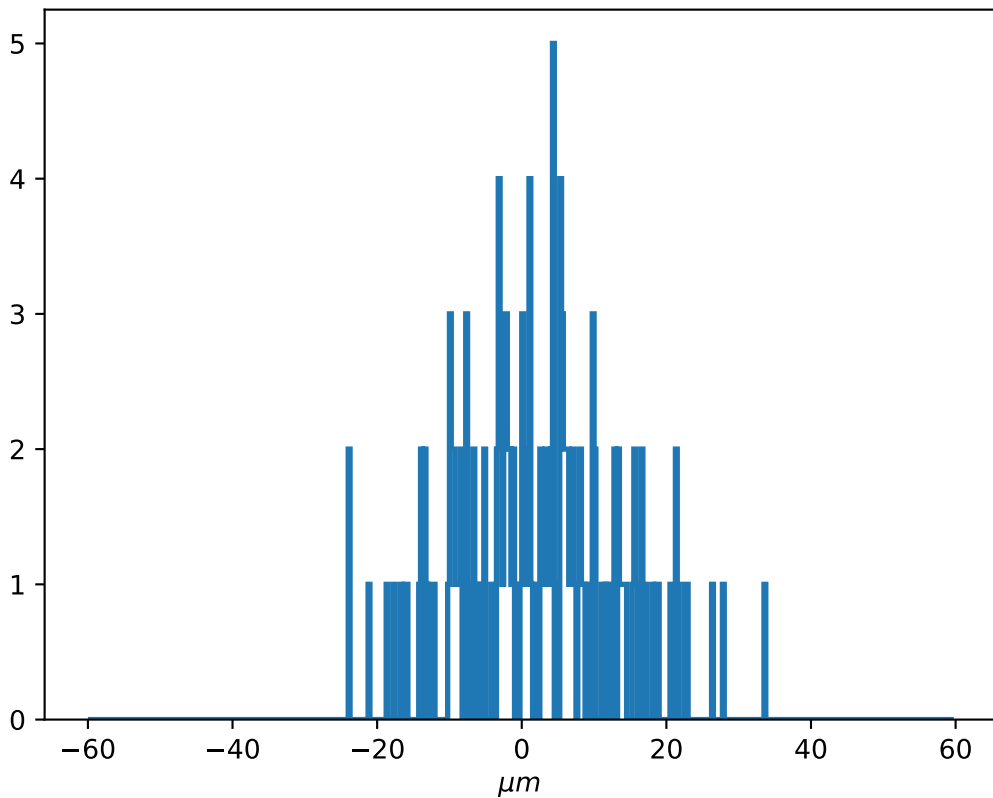residuals in x for clustersize = 8, σ = 19.76

residuals in x for clustersize = 9, σ = 18.12

residuals in x for clustersize = 10, σ = 13.19

residuals in x for clustersize = 11, σ = 10.66

residuals in x for clustersize = 12, σ 9.14