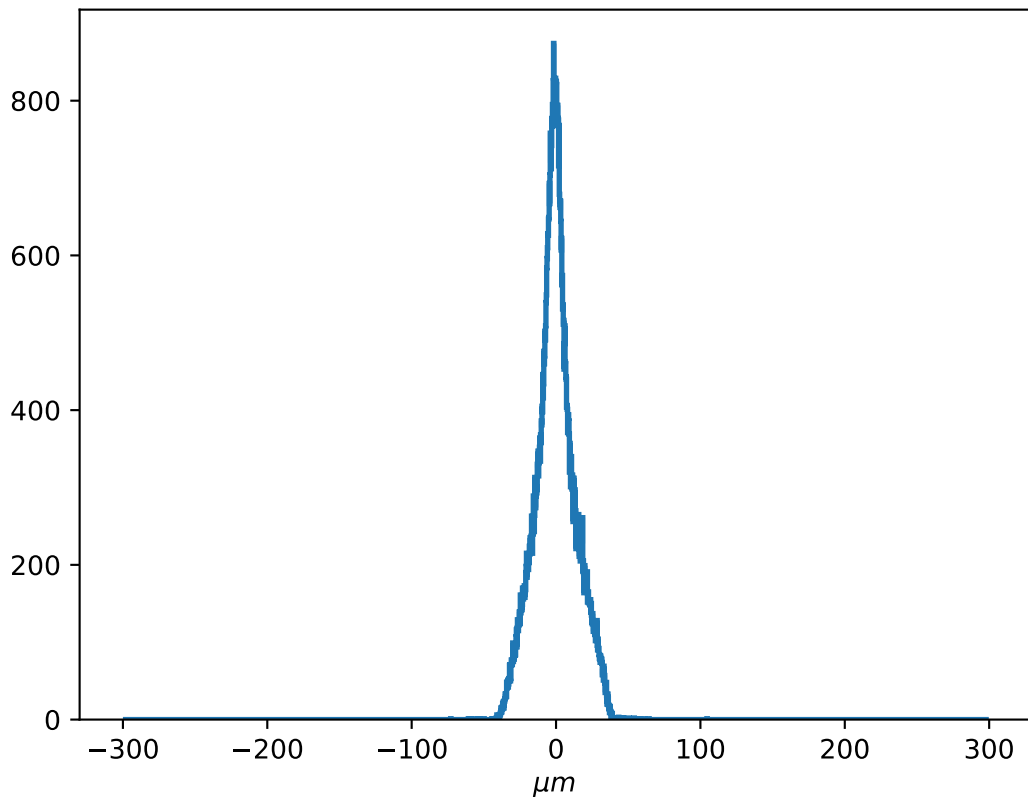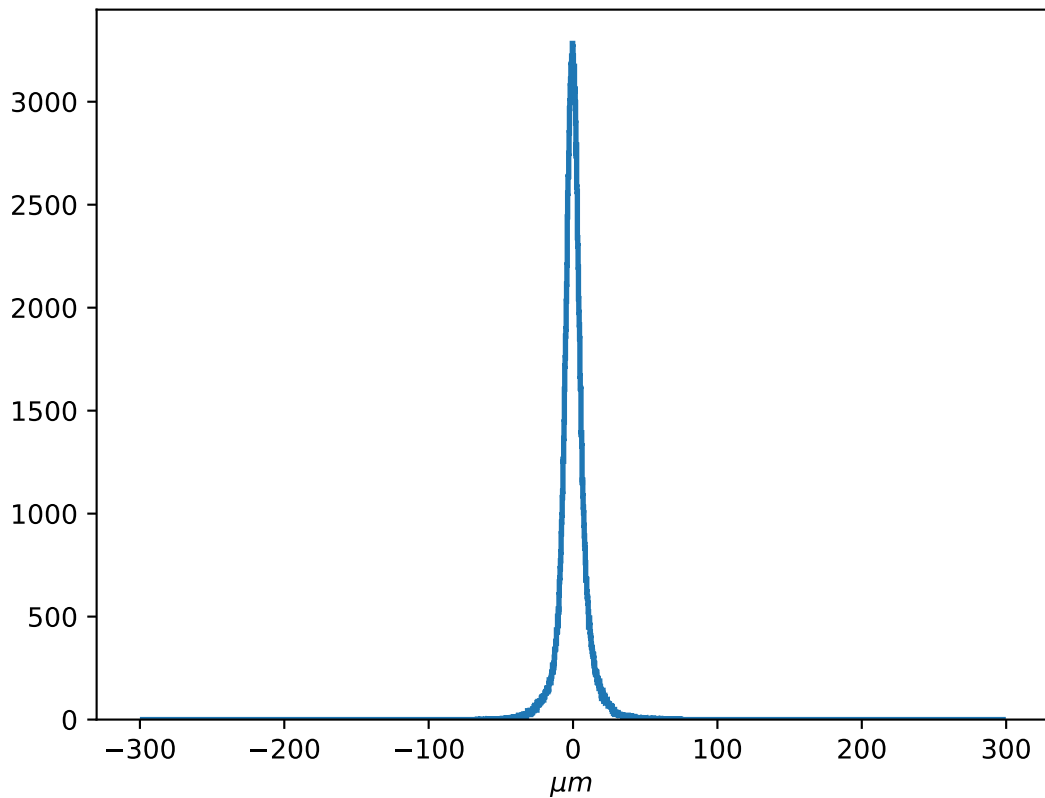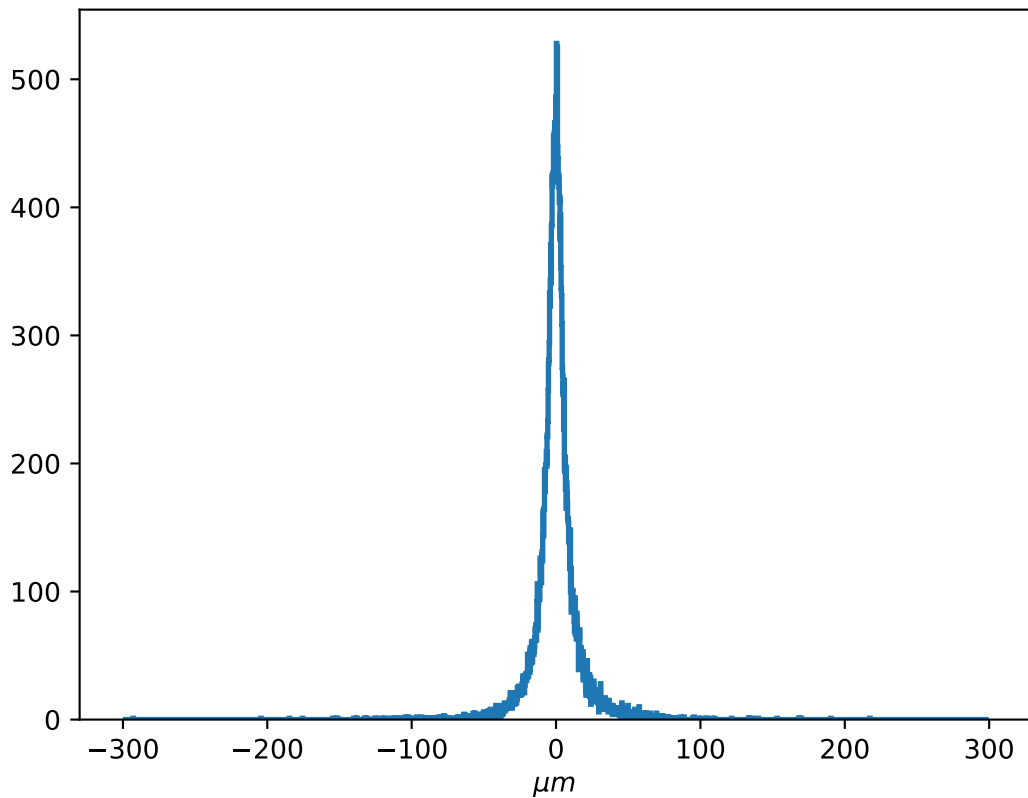residuals in x for clustersize = 1, $\sigma = 13.77$
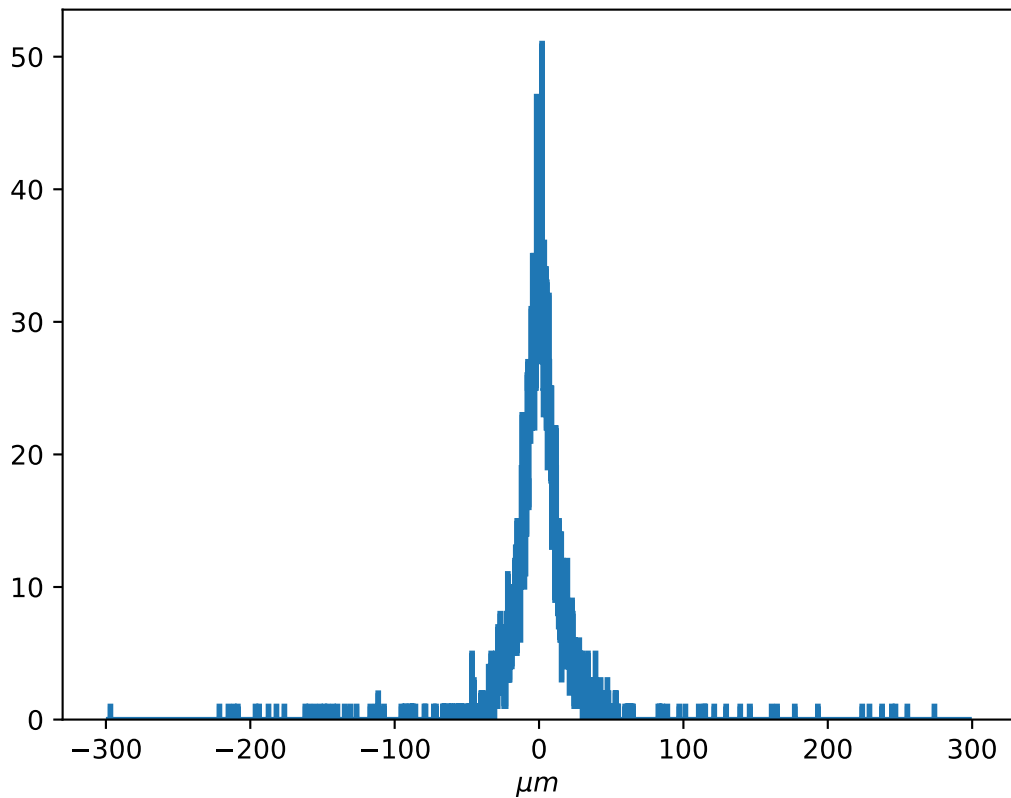
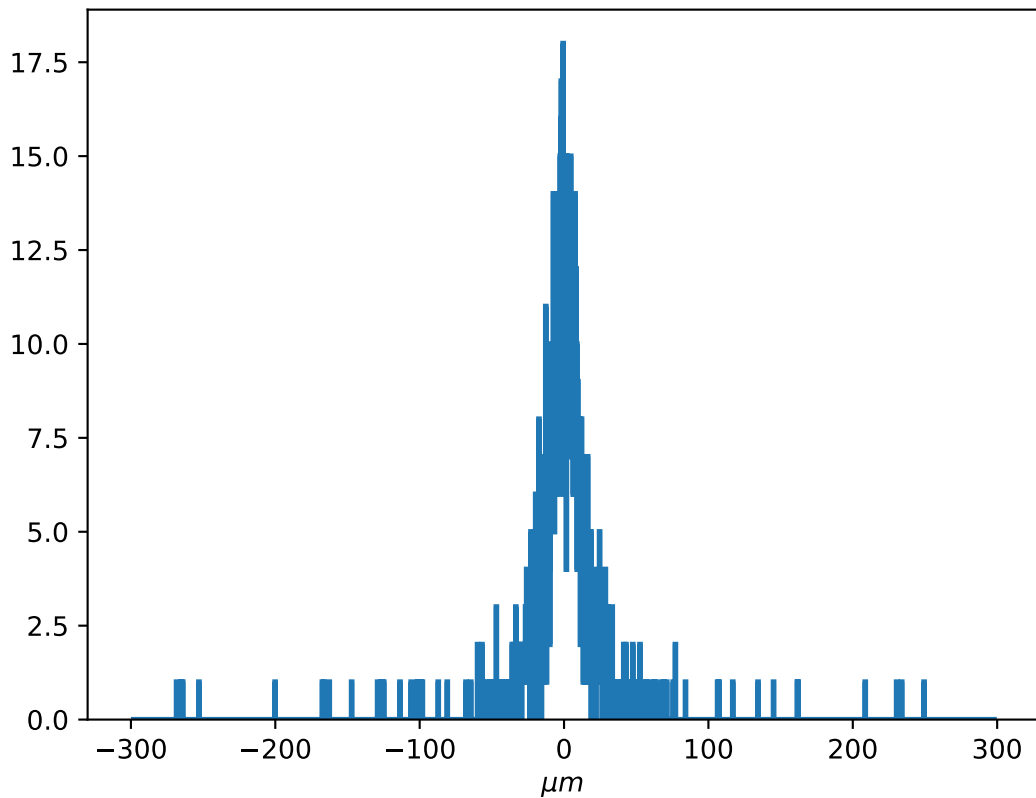residuals in x for clustersize = 2, σ = 9.01

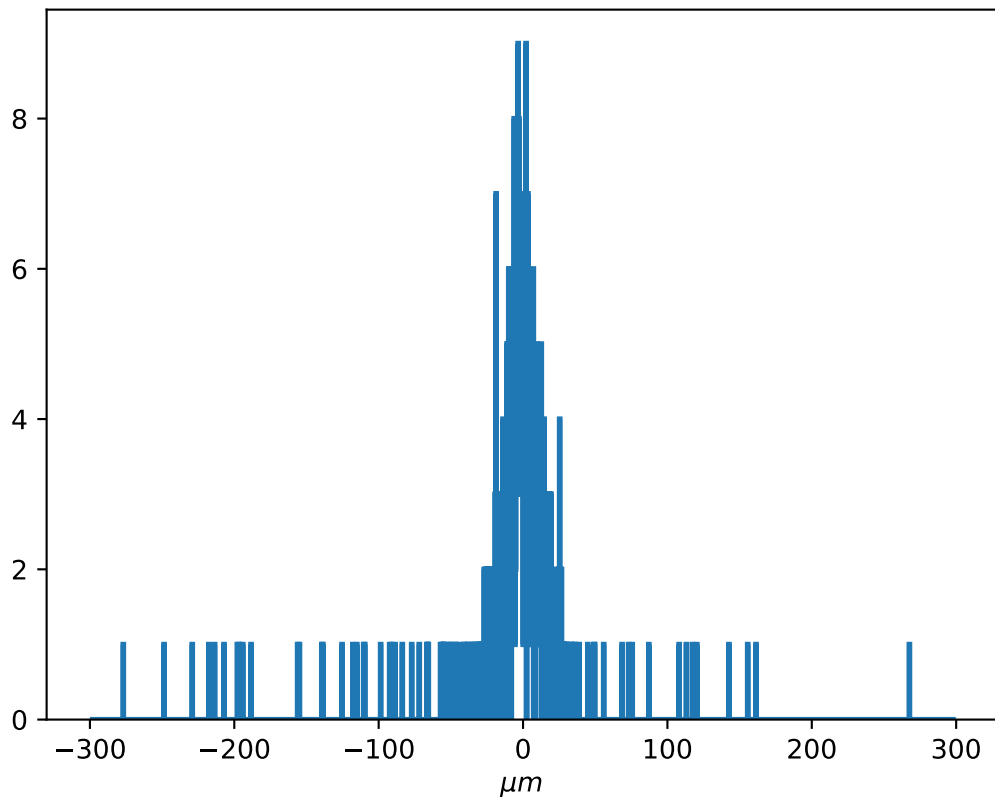residuals in x for clustersize = 3, σ = 15.92

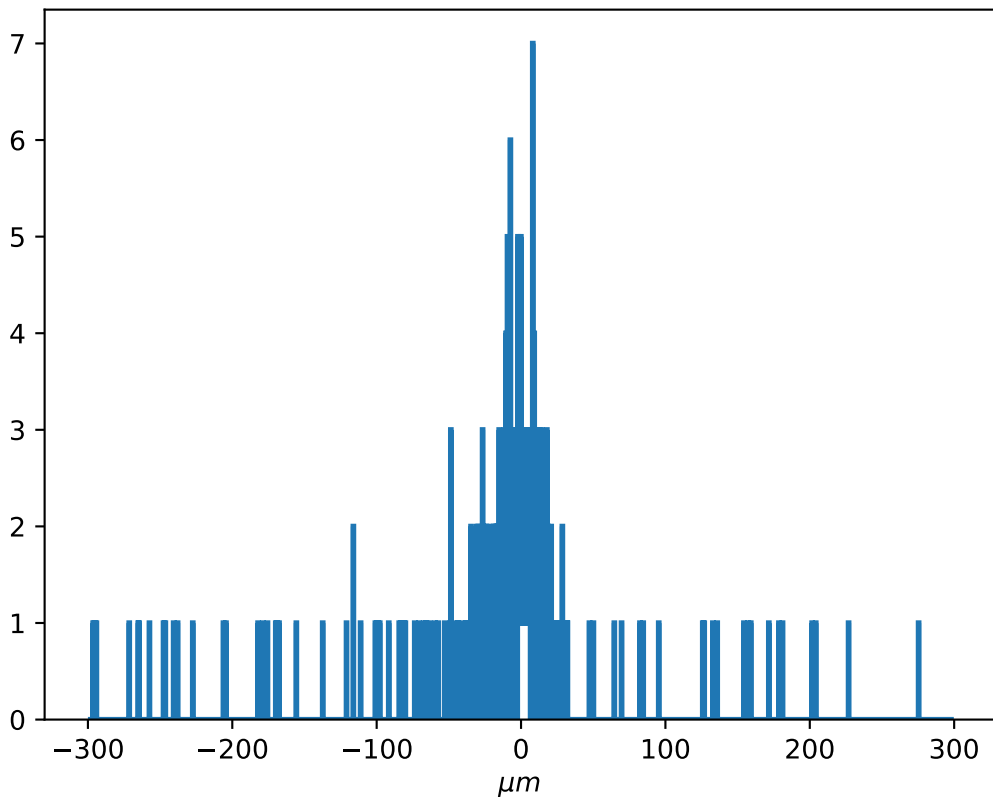residuals in x for clustersize = 4, σ = 28.17

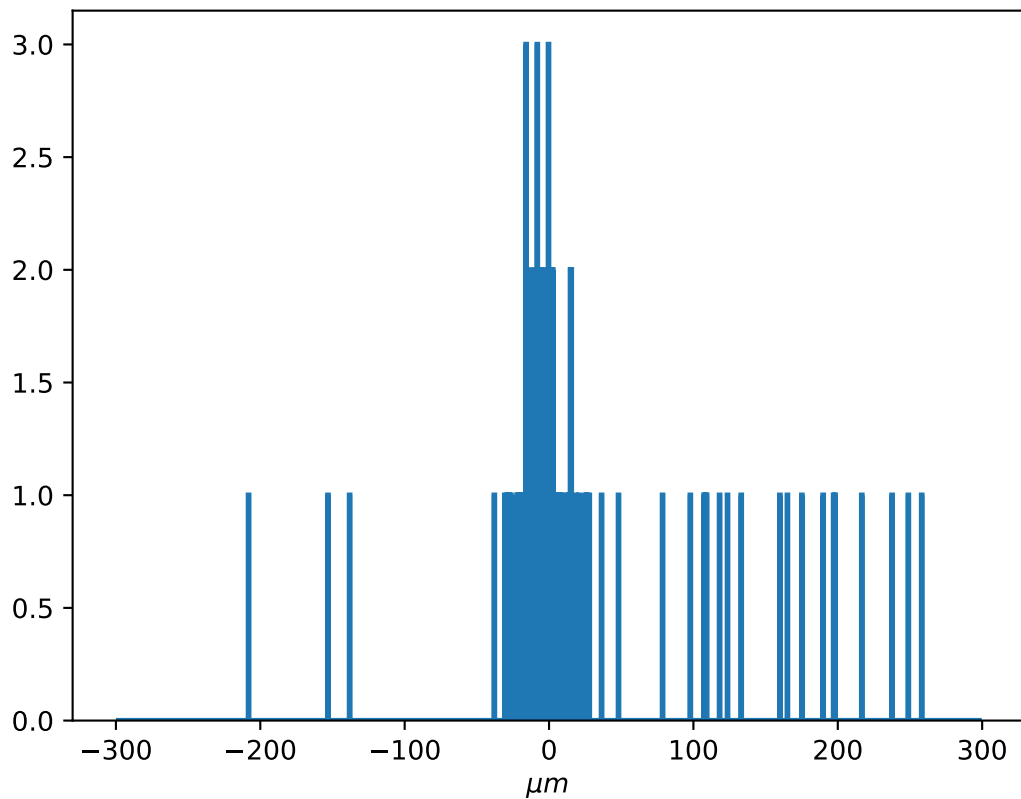residuals in x for clustersize = 5, $\sigma = 38.69$

residuals in x for clustersize = 6, σ = 58.19

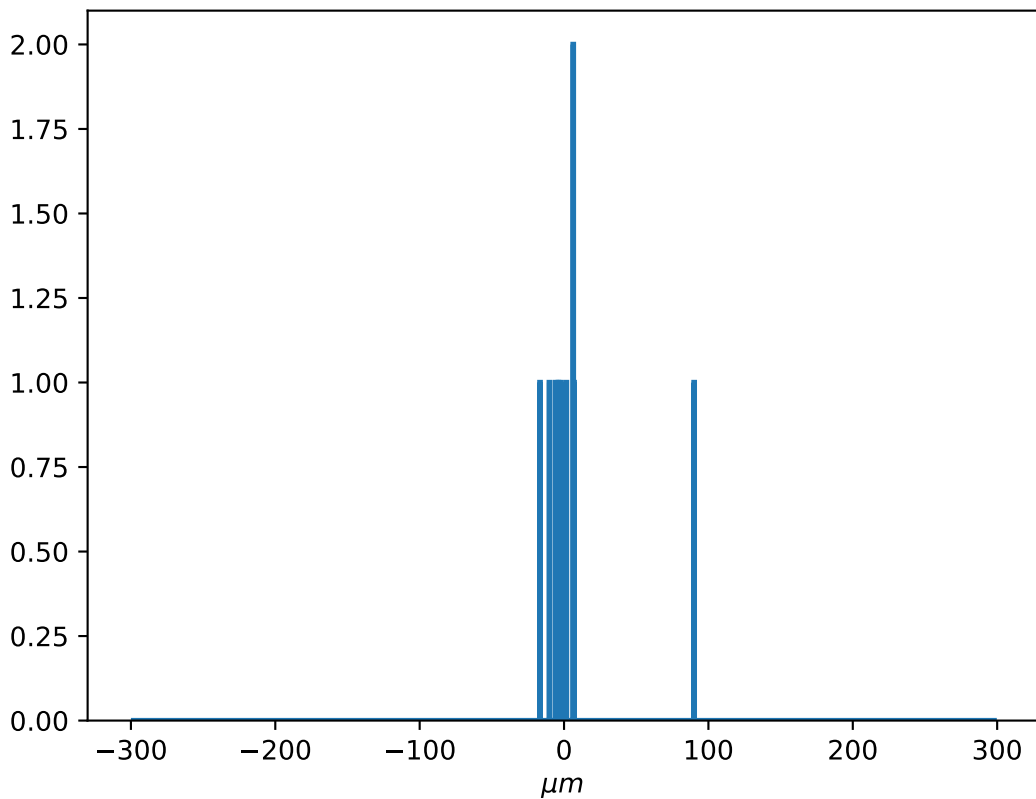residuals in x for clustersize = 7, σ = 103.78

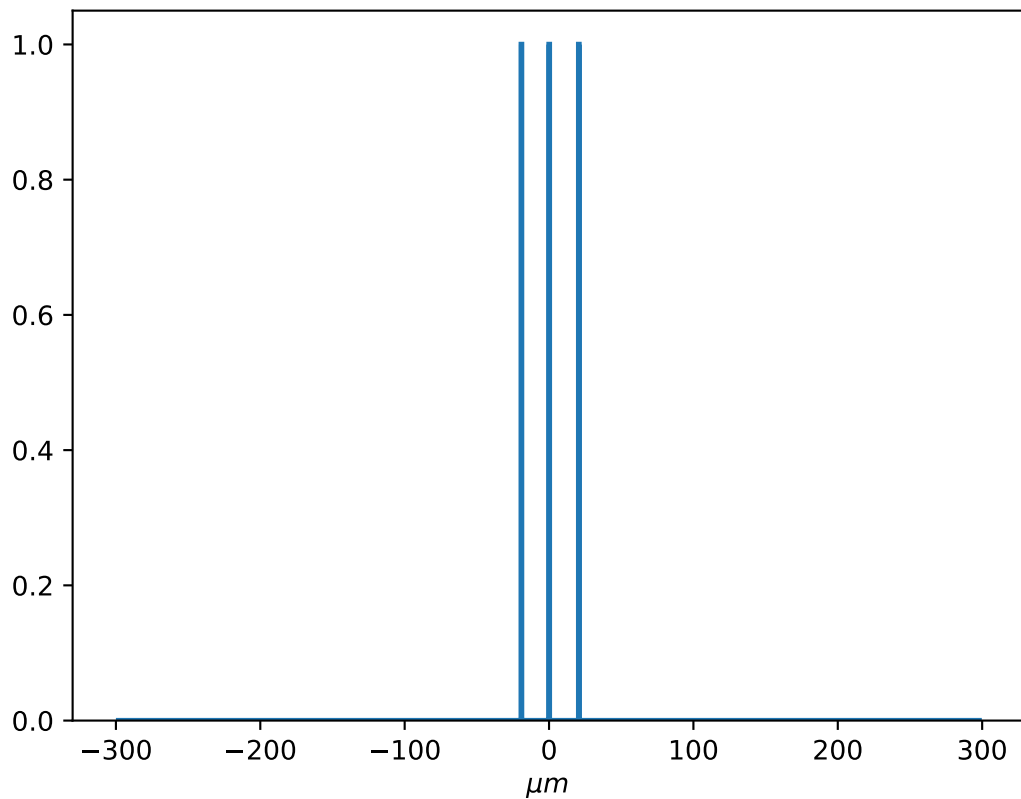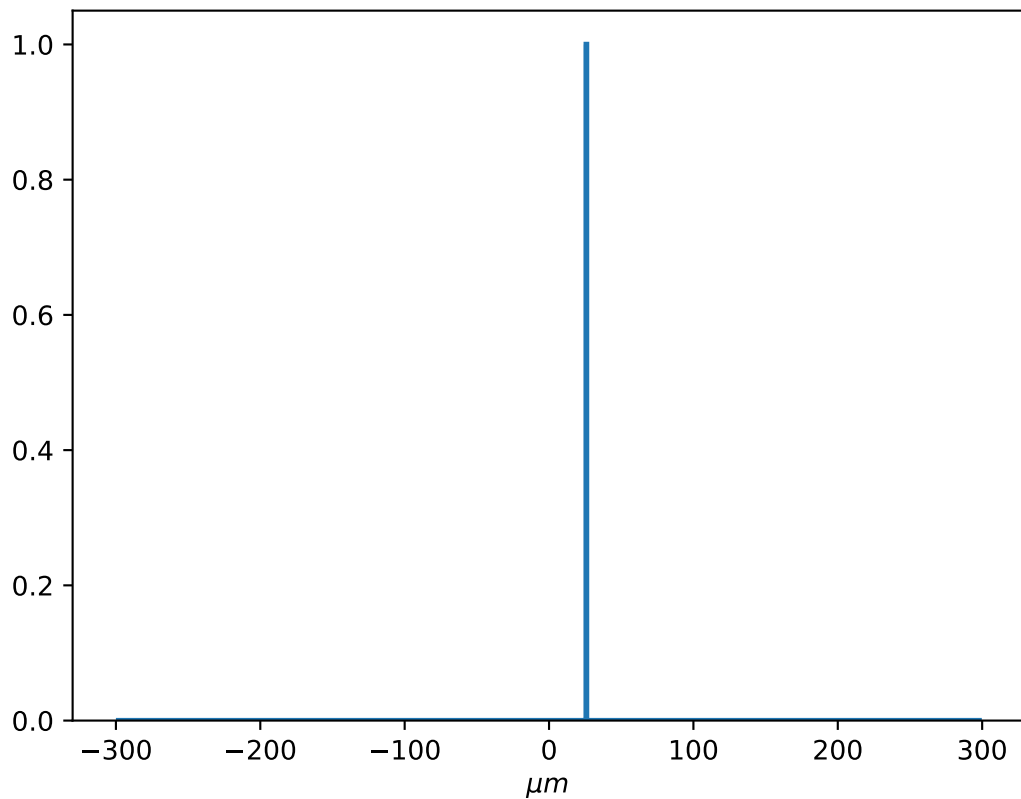residuals in x for clustersize = 8, $\sigma = 79.37$

residuals in x for clustersize = 9, σ = 28.57

residuals in x for clustersize = 10, $\sigma = 16.21$

residuals in x for clustersize = 11, σ = 0.00

residuals in x for clustersize = 13, σ = 0.00