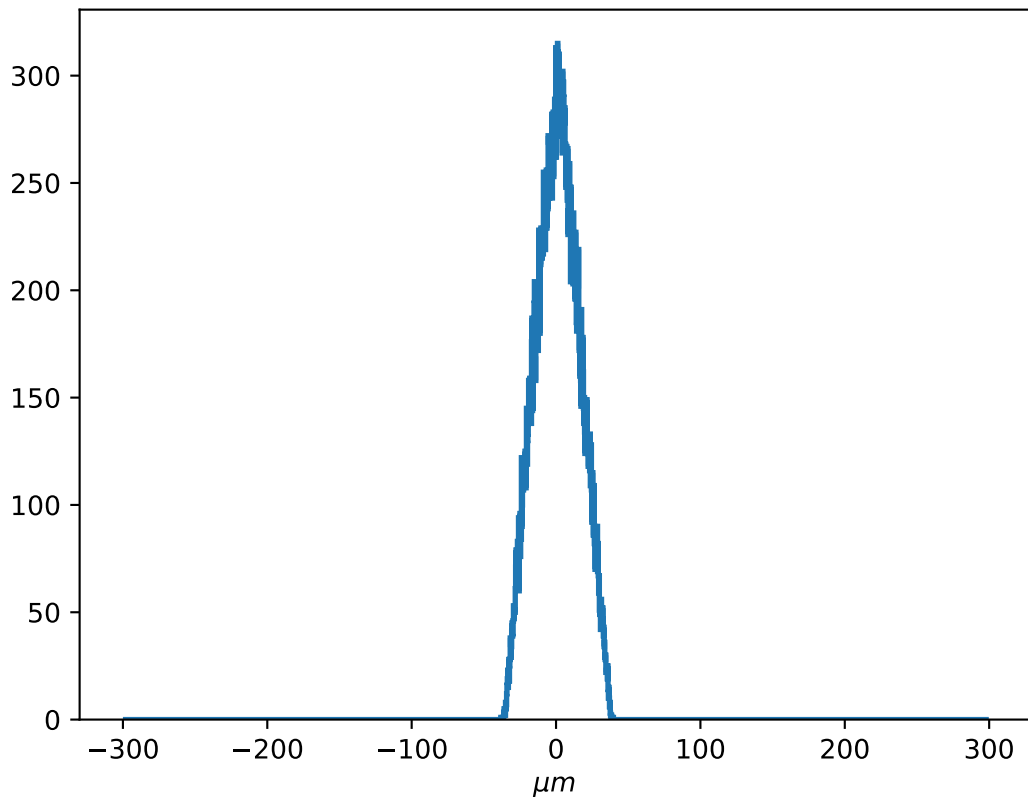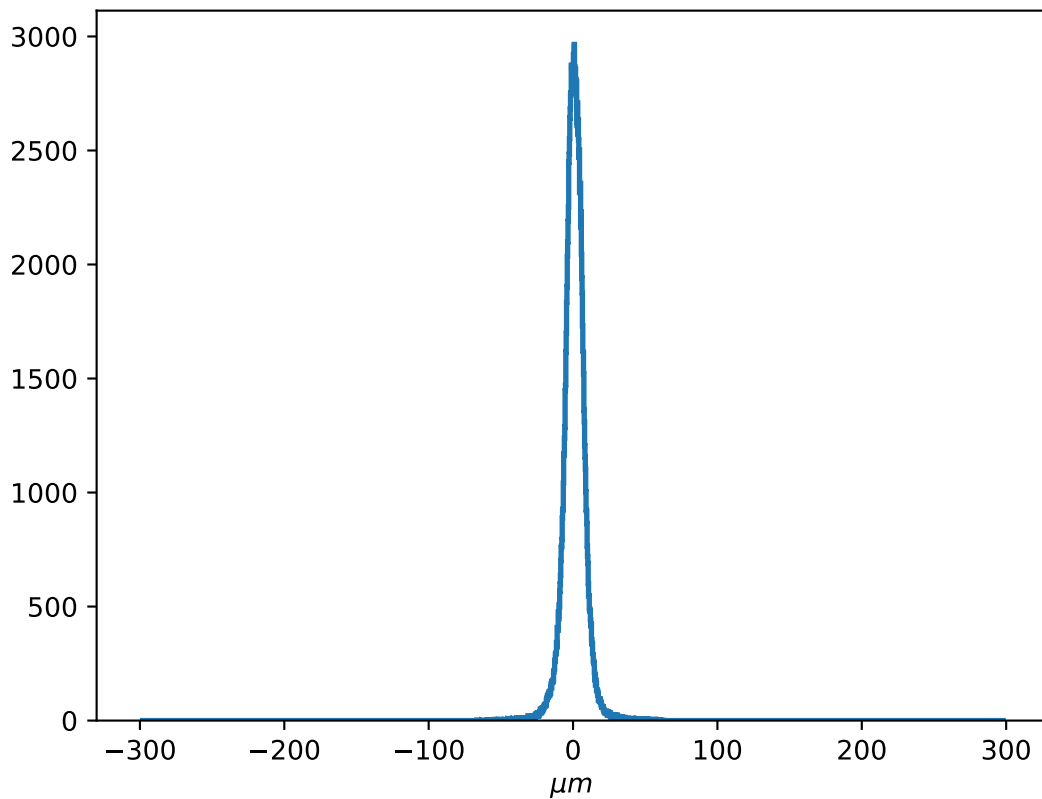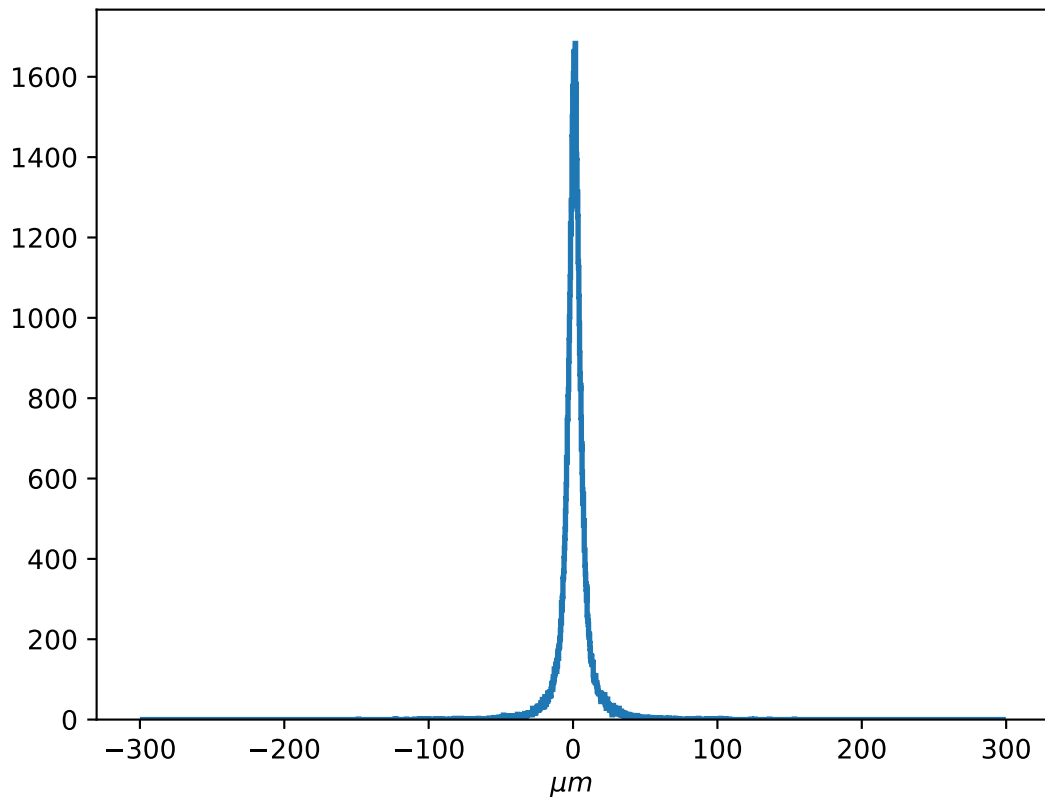residuals in x for clustersize = 1, $\sigma = 14.96$
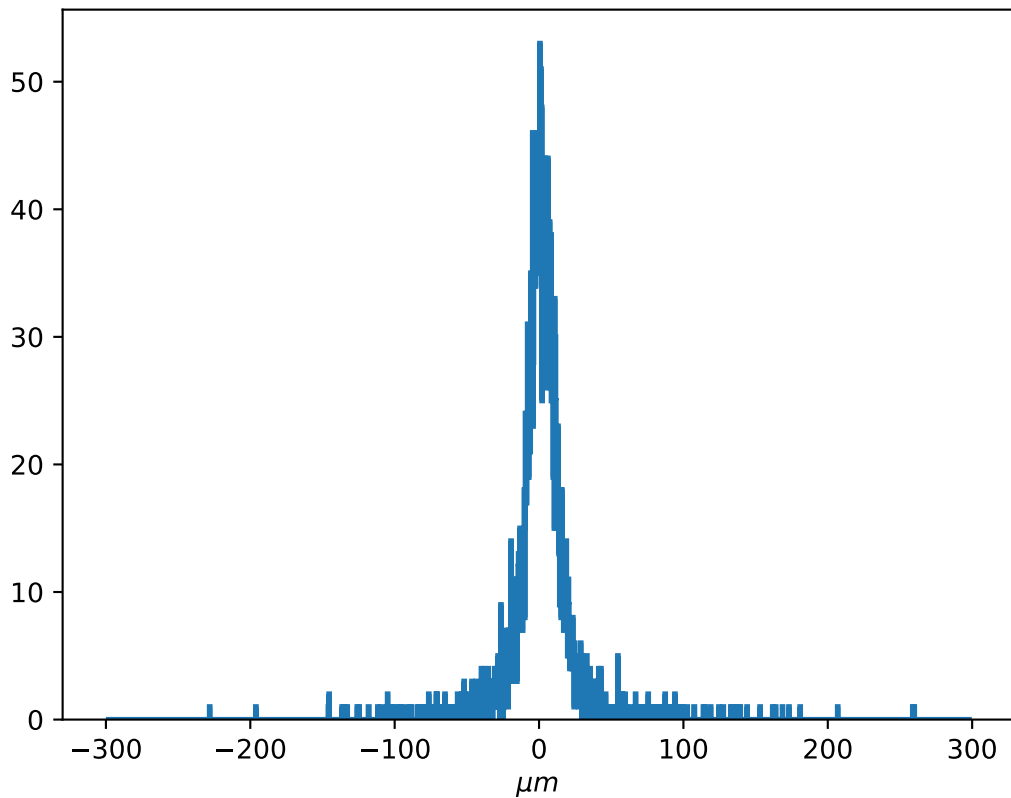
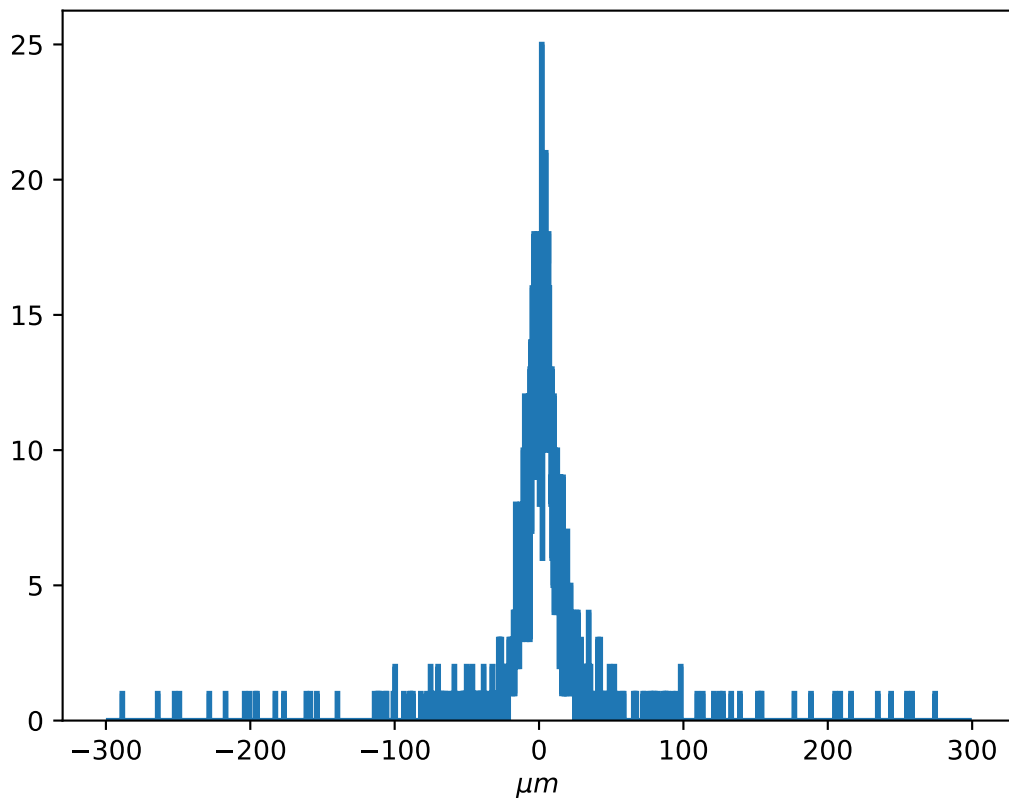residuals in x for clustersize = 2, σ = 7.63

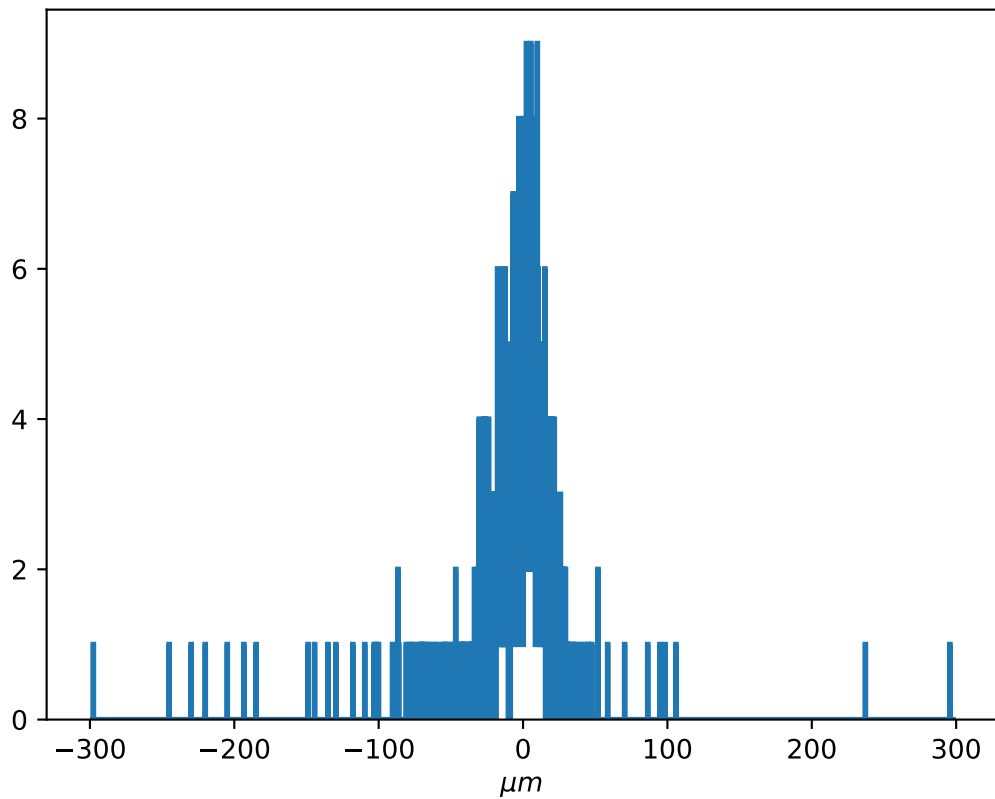residuals in x for clustersize = 3, σ = 10.03

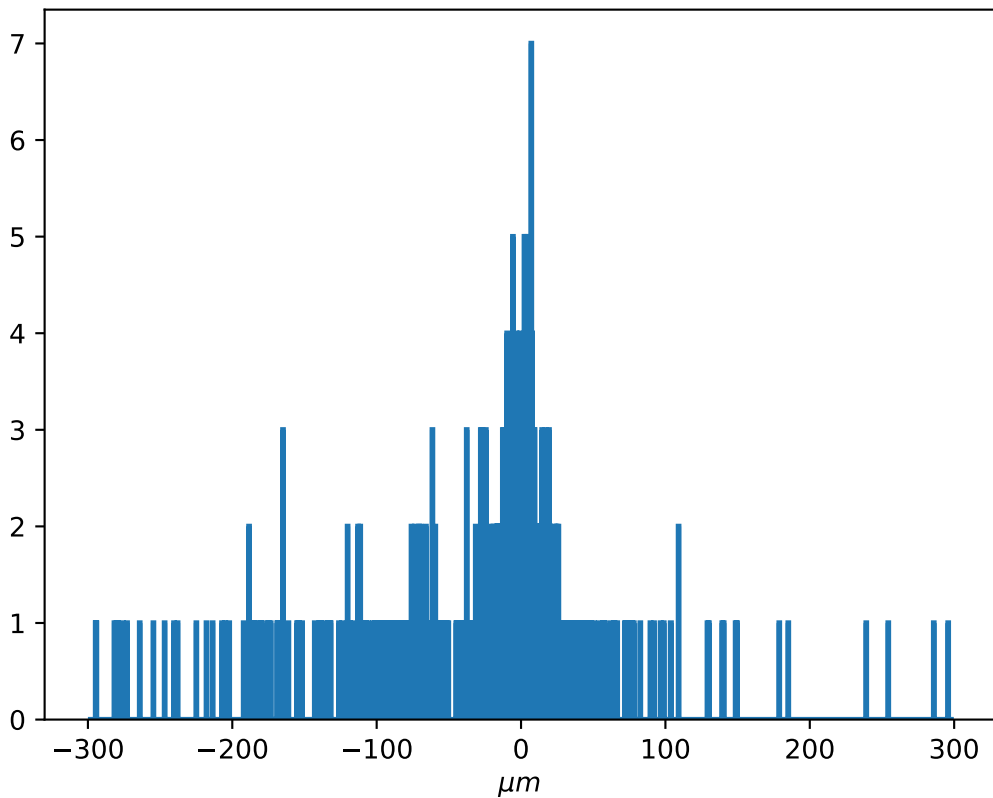residuals in x for clustersize = 4, $\sigma = 23.24$

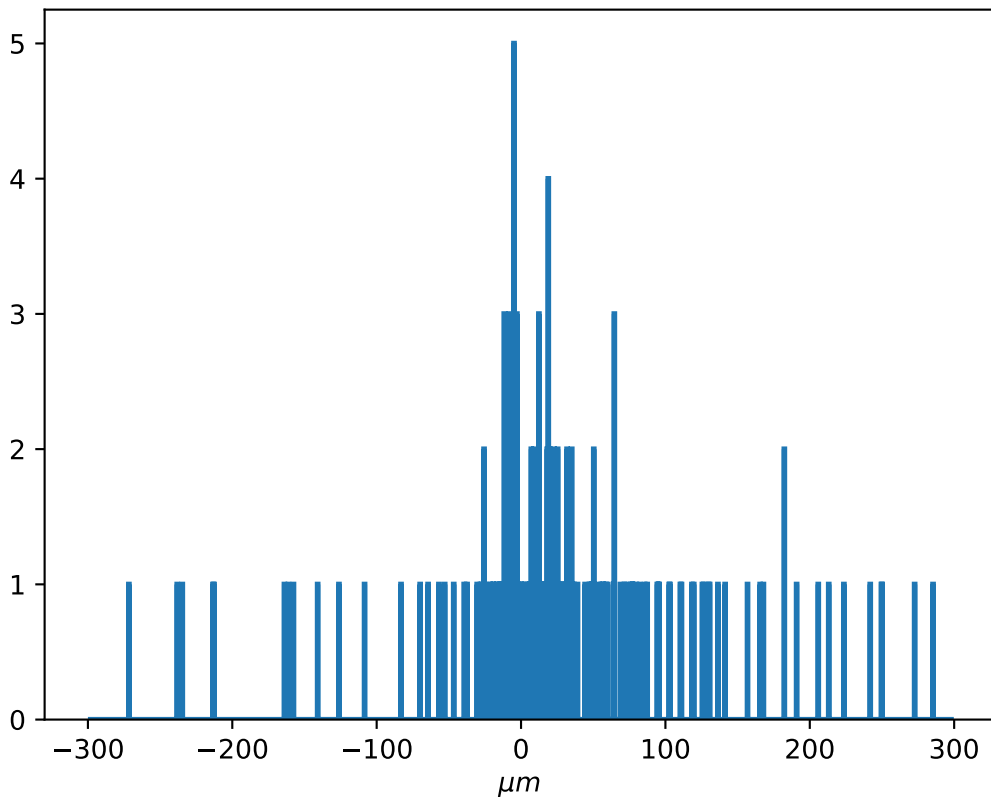residuals in x for clustersize = 5, $\sigma = 36.04$

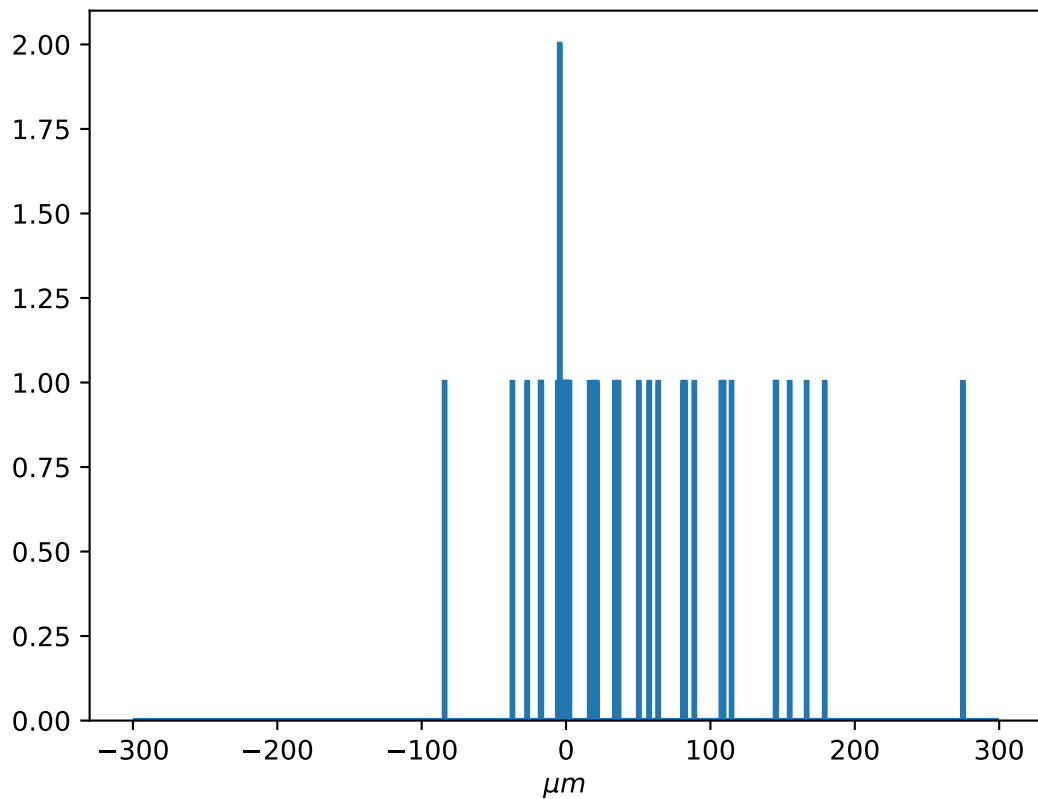residuals in x for clustersize = 6, $\sigma = 57.10$

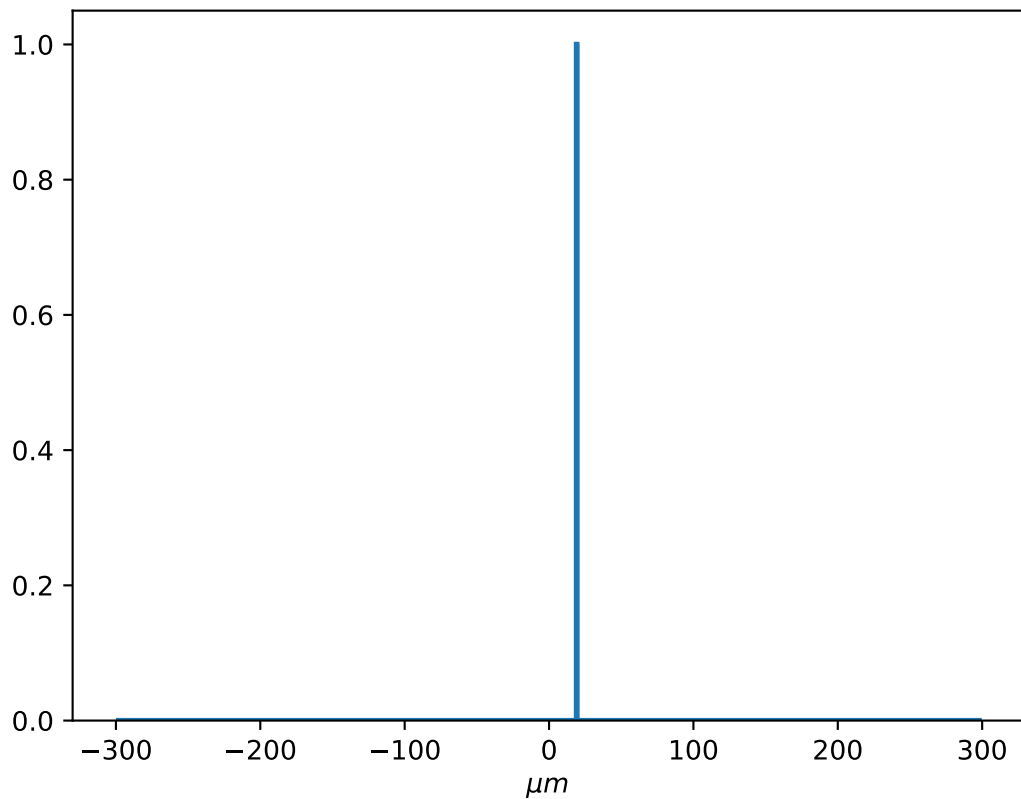residuals in x for clustersize = 7, σ = 126.34

residuals in x for clustersize = 8, σ = 207.95

residuals in x for clustersize = 9, σ = 73.55

residuals in x for clustersize = 10, σ = 0.00

residuals in x for clustersize = 11, $\sigma = 0.00$