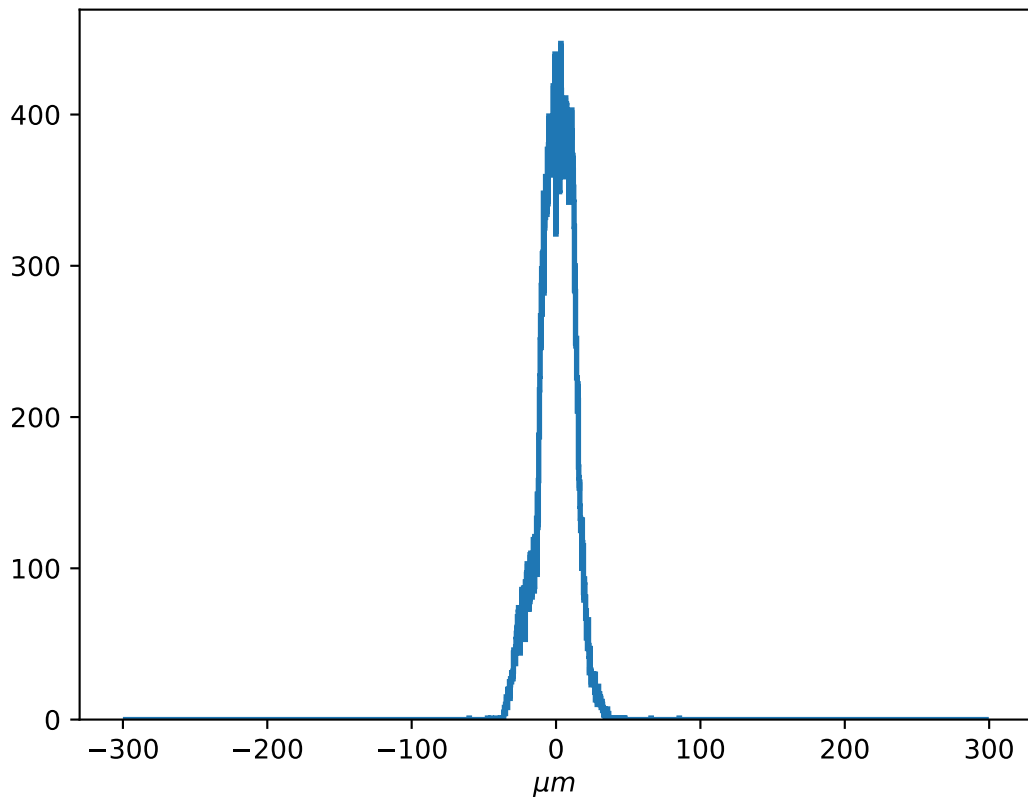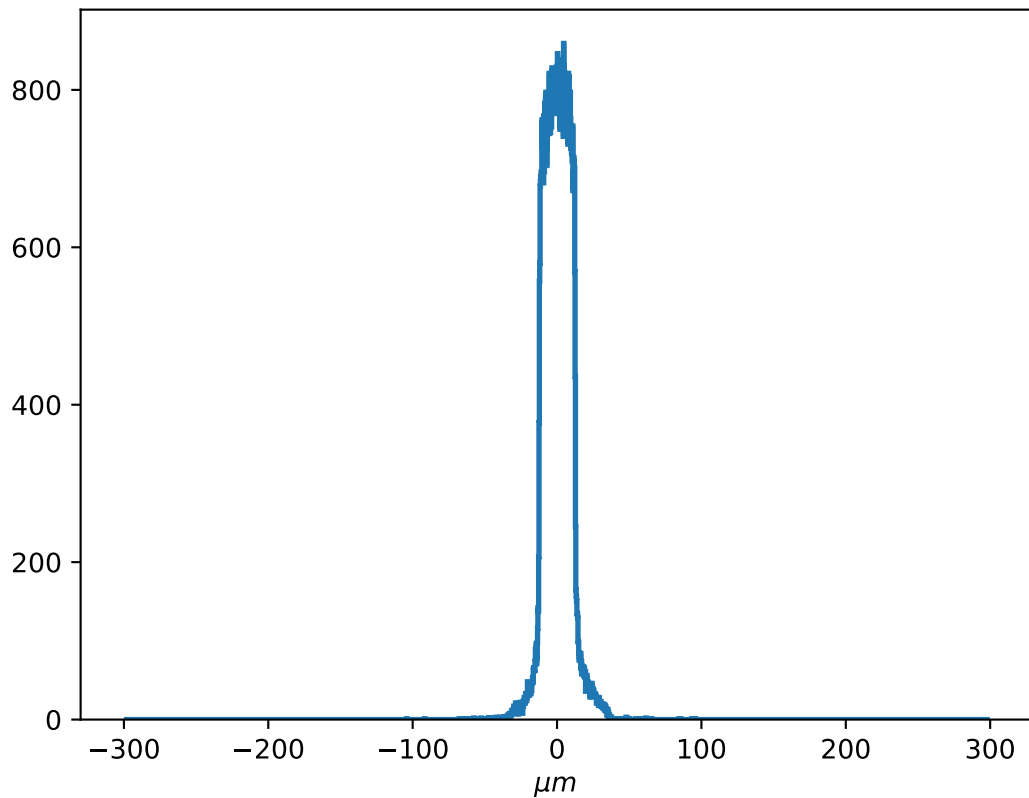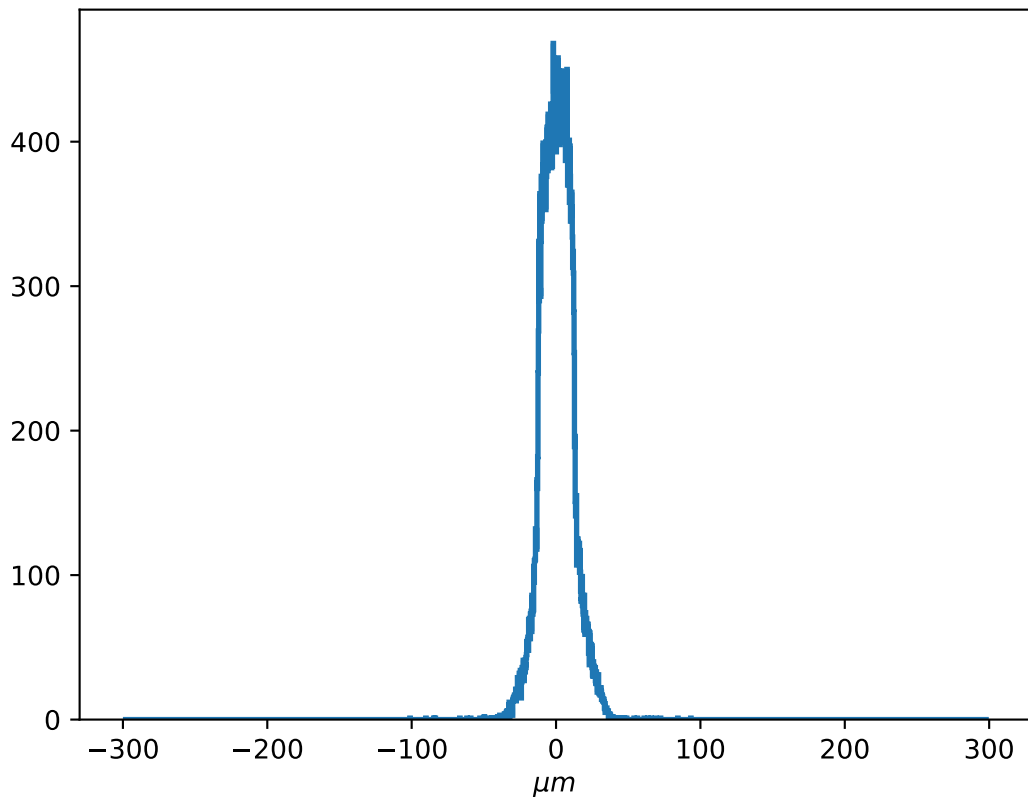residuals in x for clustersize = 1, $\sigma = 11.78$
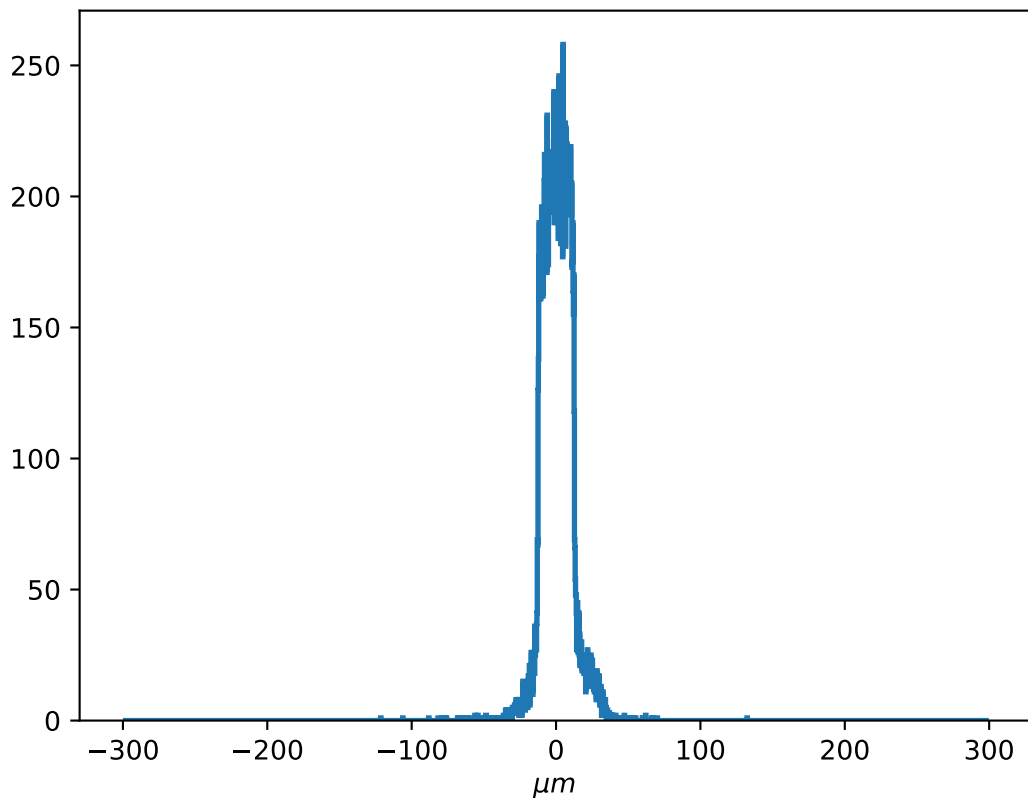
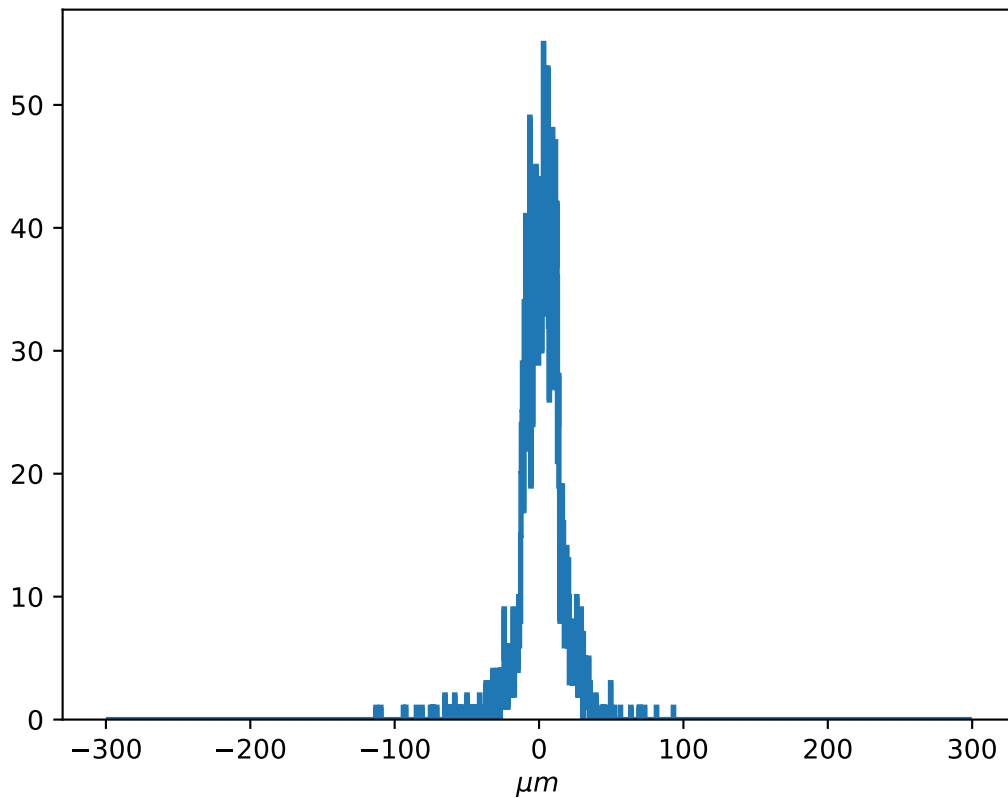residuals in x for clustersize = 2, $\sigma = 9.12$

residuals in x for clustersize = 3, σ = 10.77
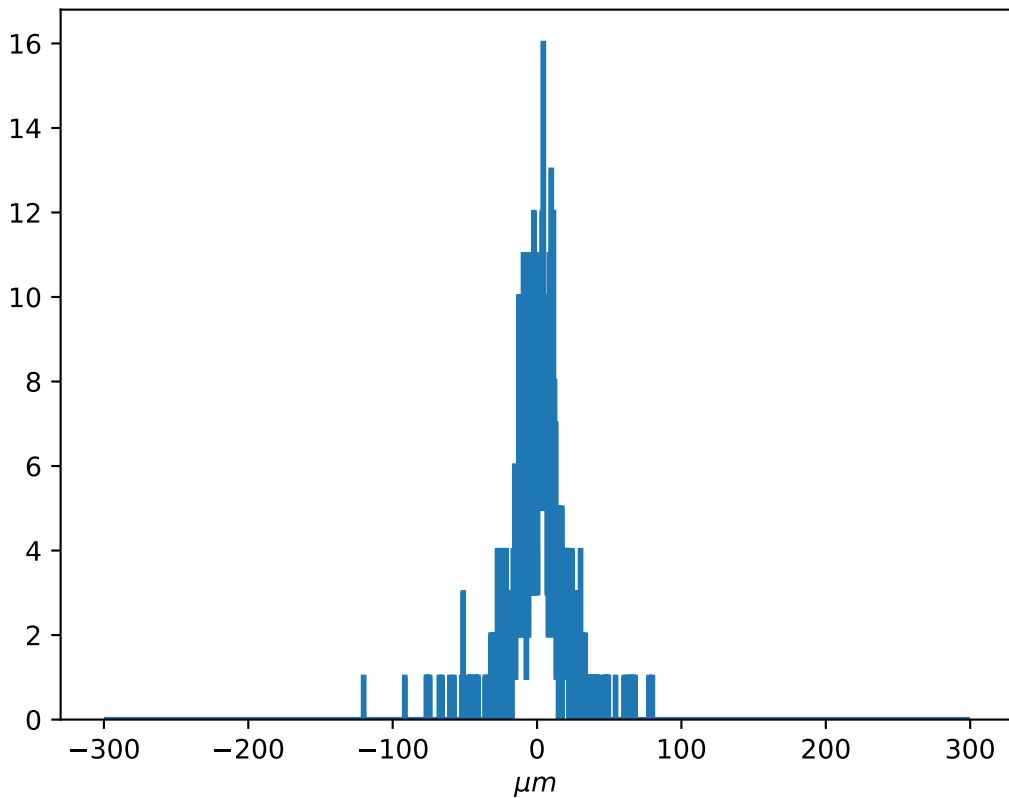
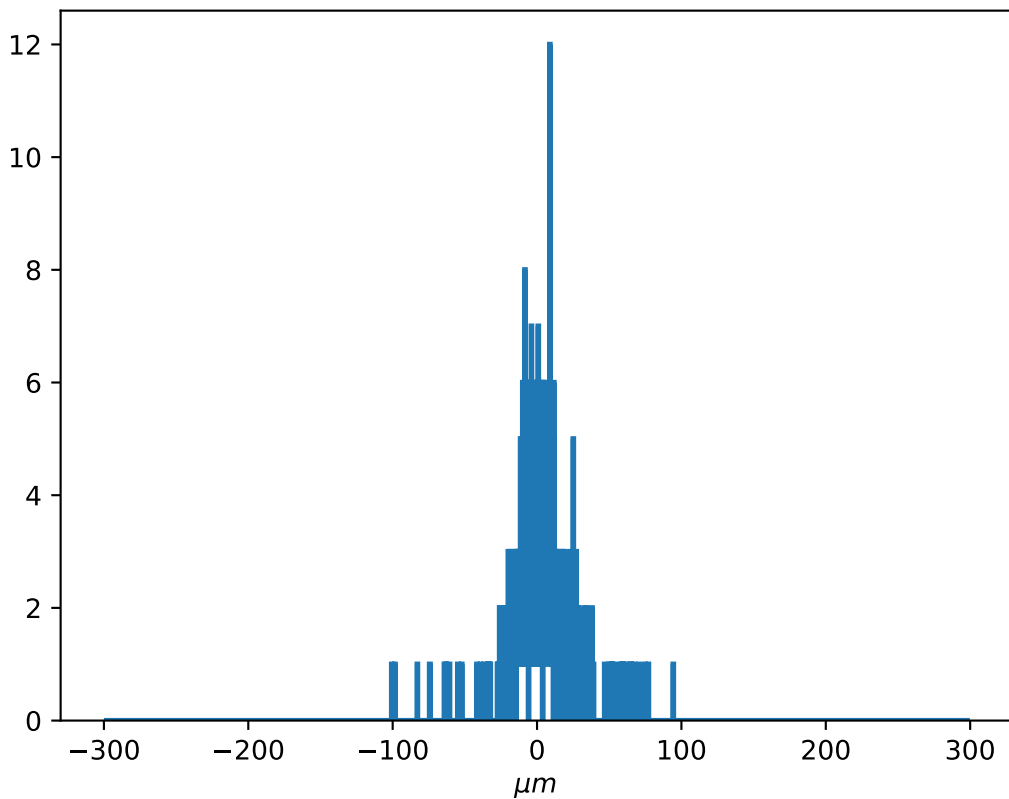residuals in x for clustersize = 4, σ = 10.24
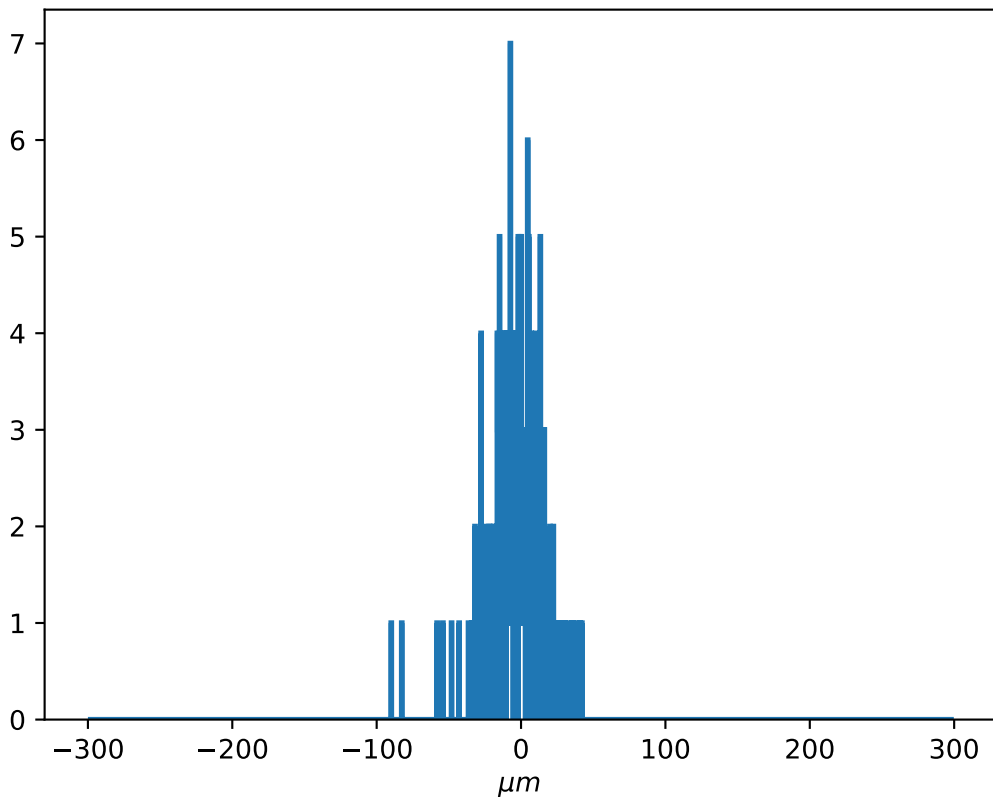
residuals in x for clustersize = 5, $\sigma = 13.19$

residuals in x for clustersize = 6, σ = 17.35

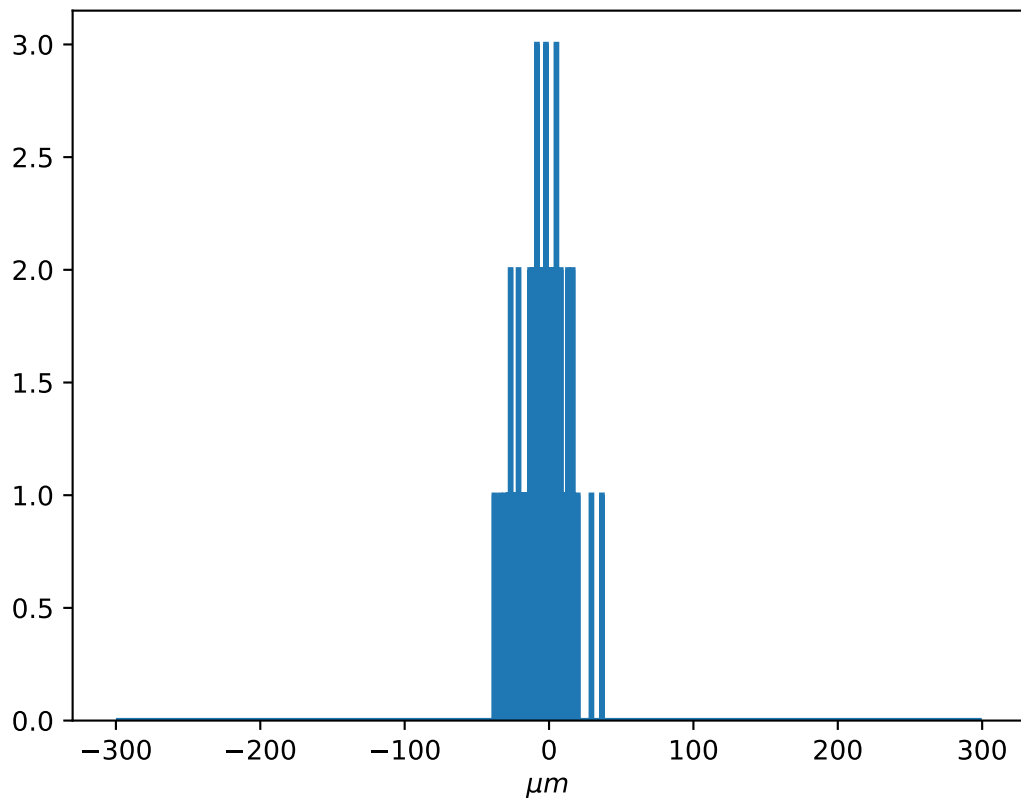residuals in x for clustersize = 7, σ = 20.25

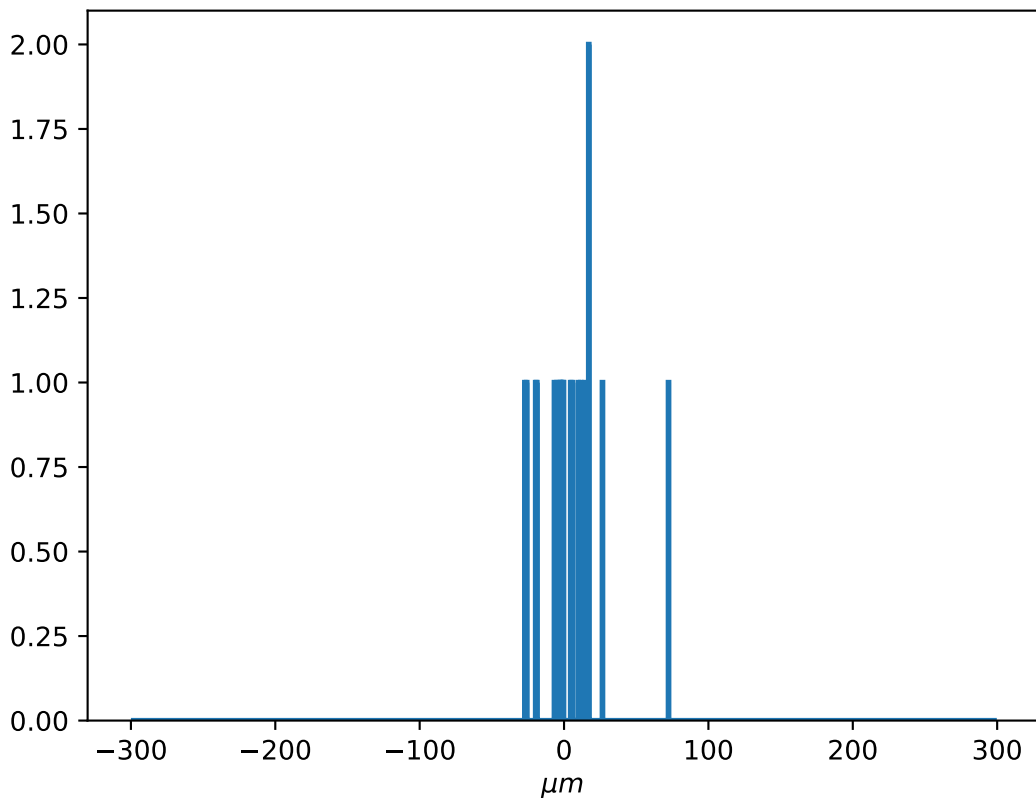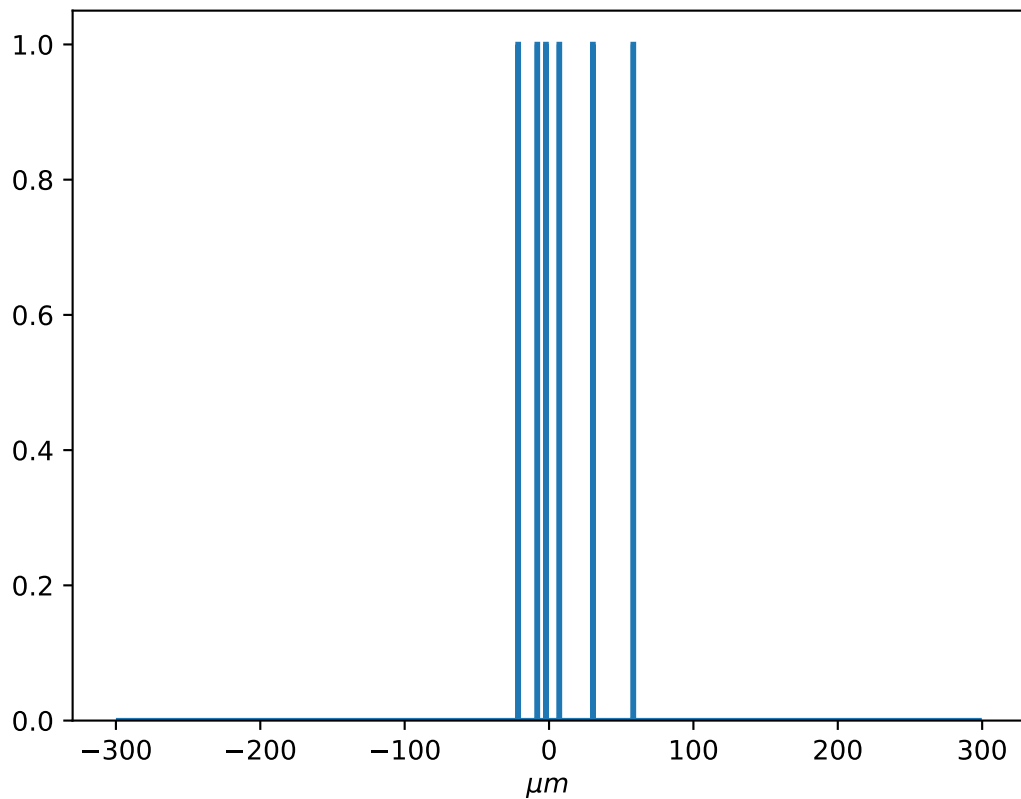residuals in x for clustersize = 8, σ = 16.39

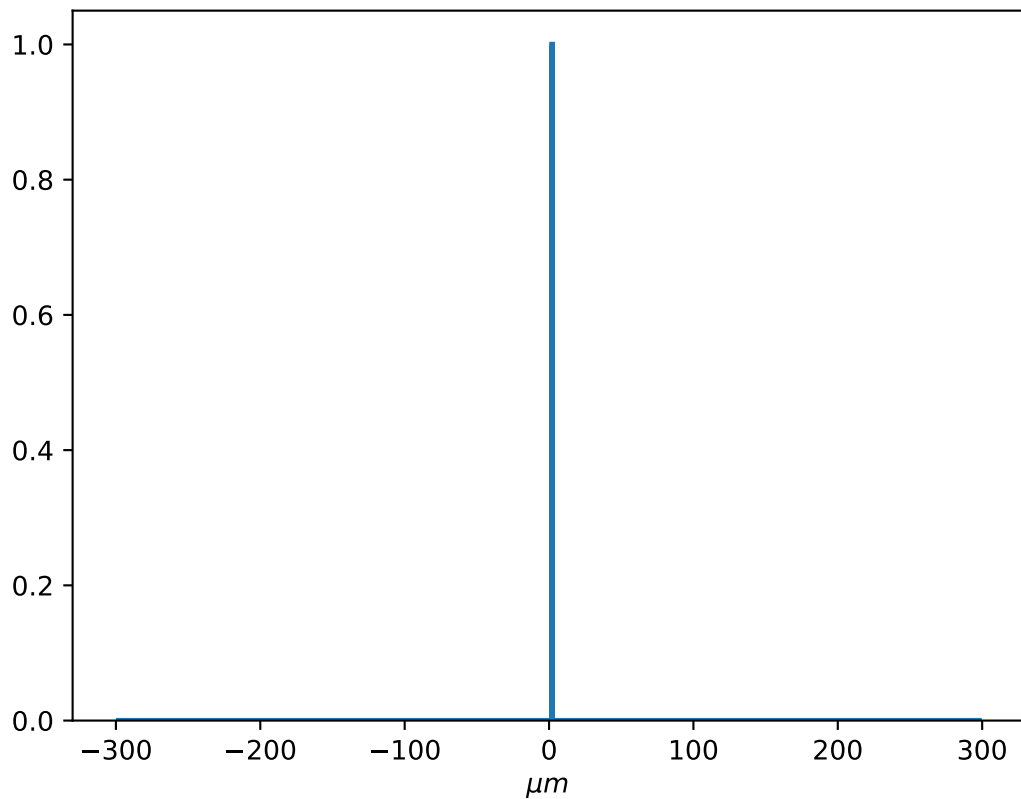residuals in x for clustersize = 9, $\sigma = 13.54$

residuals in x for clustersize = 10, $\sigma = 21.73$

residuals in x for clustersize = 11, σ = 26.53

residuals in x for clustersize = 12, $\sigma = 0.00$

residuals in x for clustersize = 13, $\sigma = 0.00$