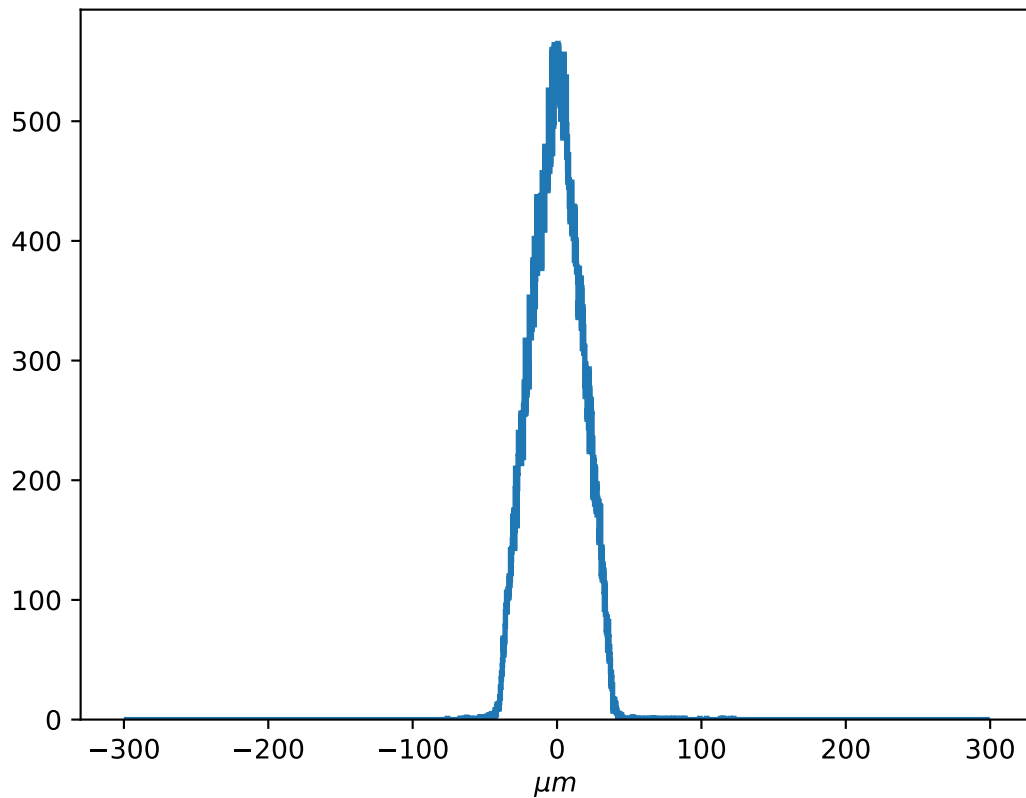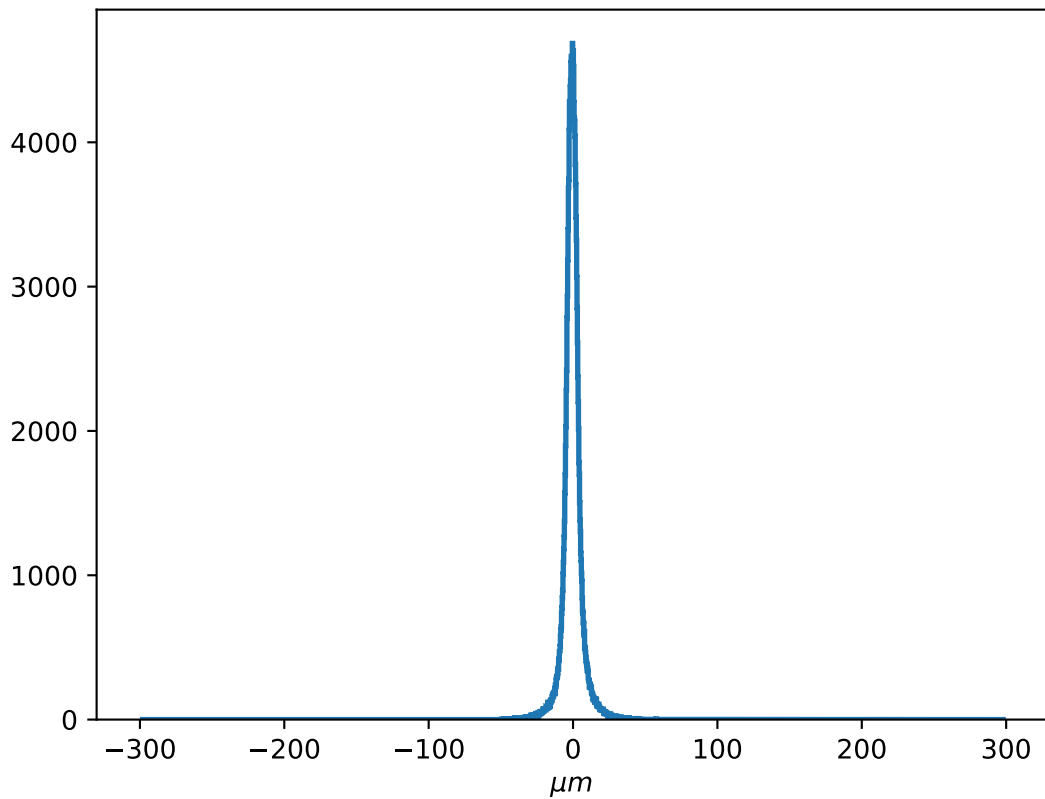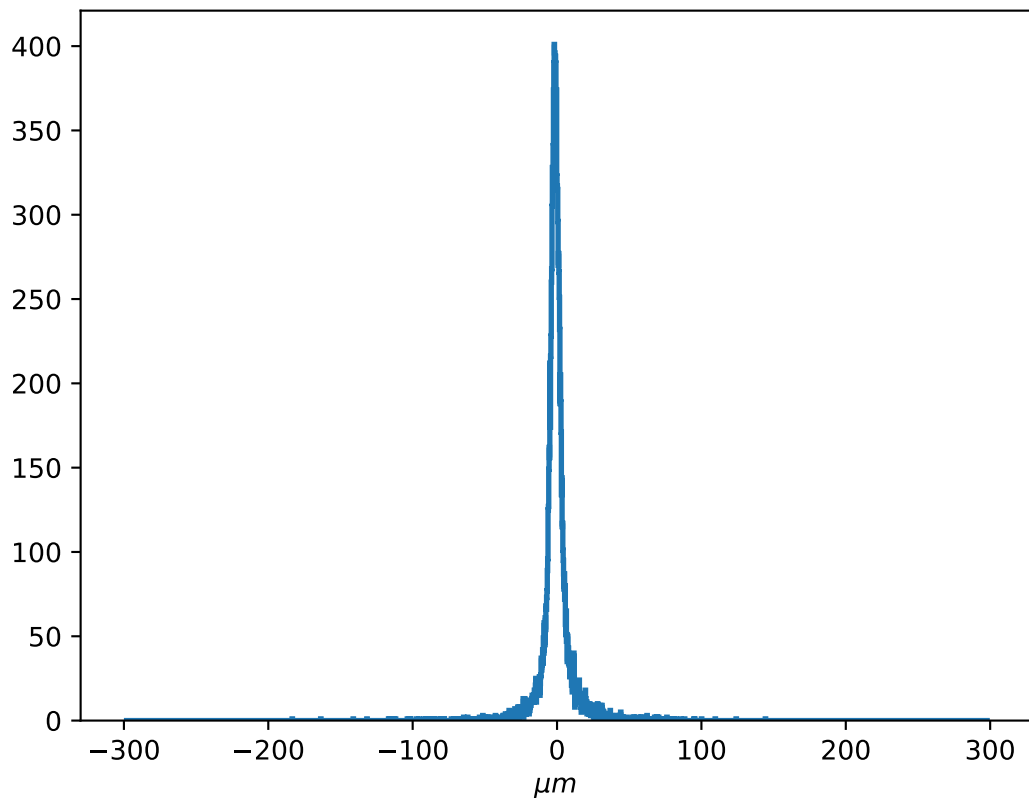residuals in x for clustersize = 1, $\sigma = 16.97$
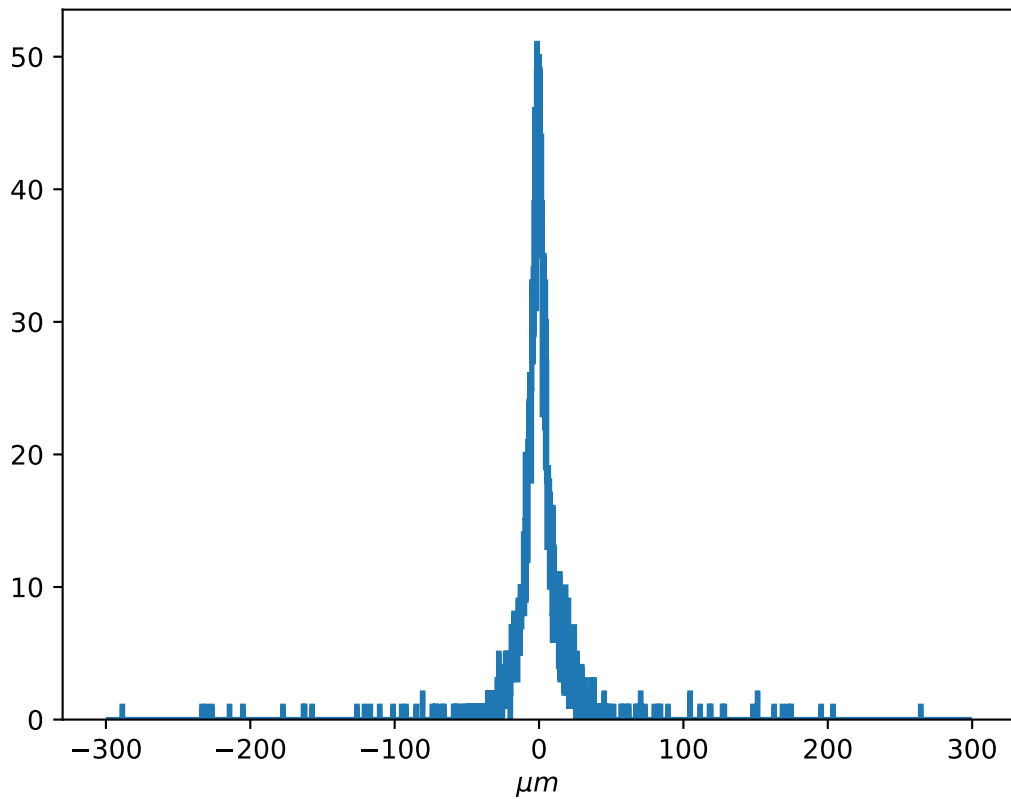
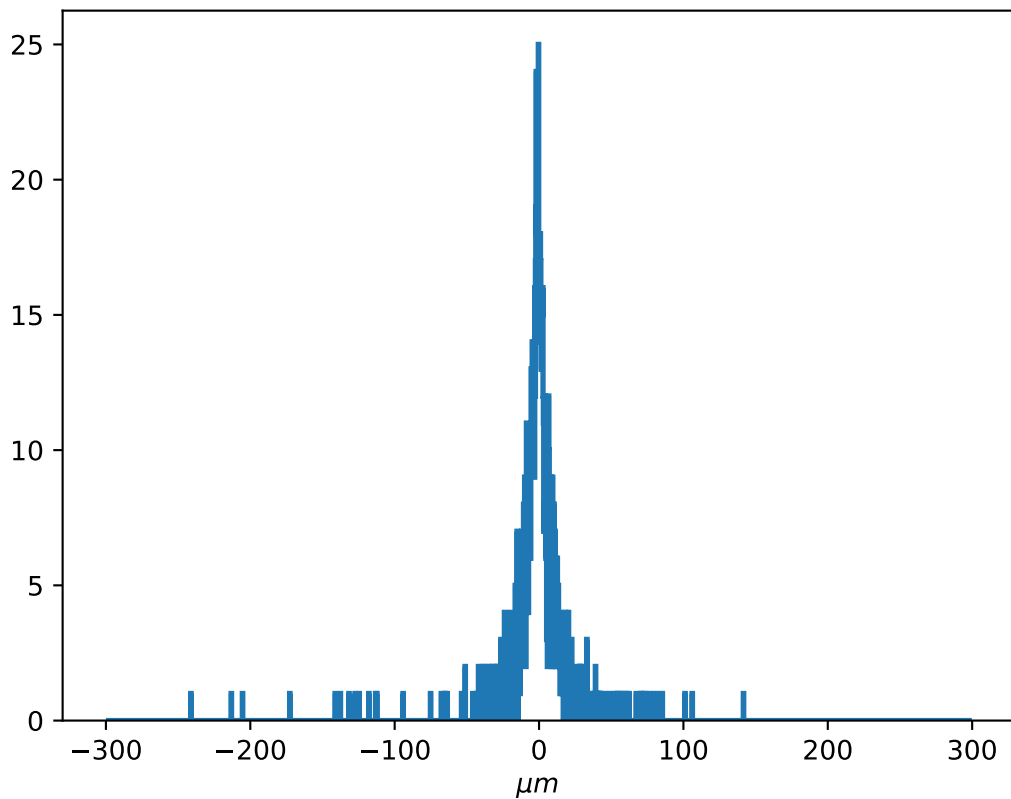residuals in x for clustersize = 2, $\sigma = 6.68$

residuals in x for clustersize = 3, σ = 11.85
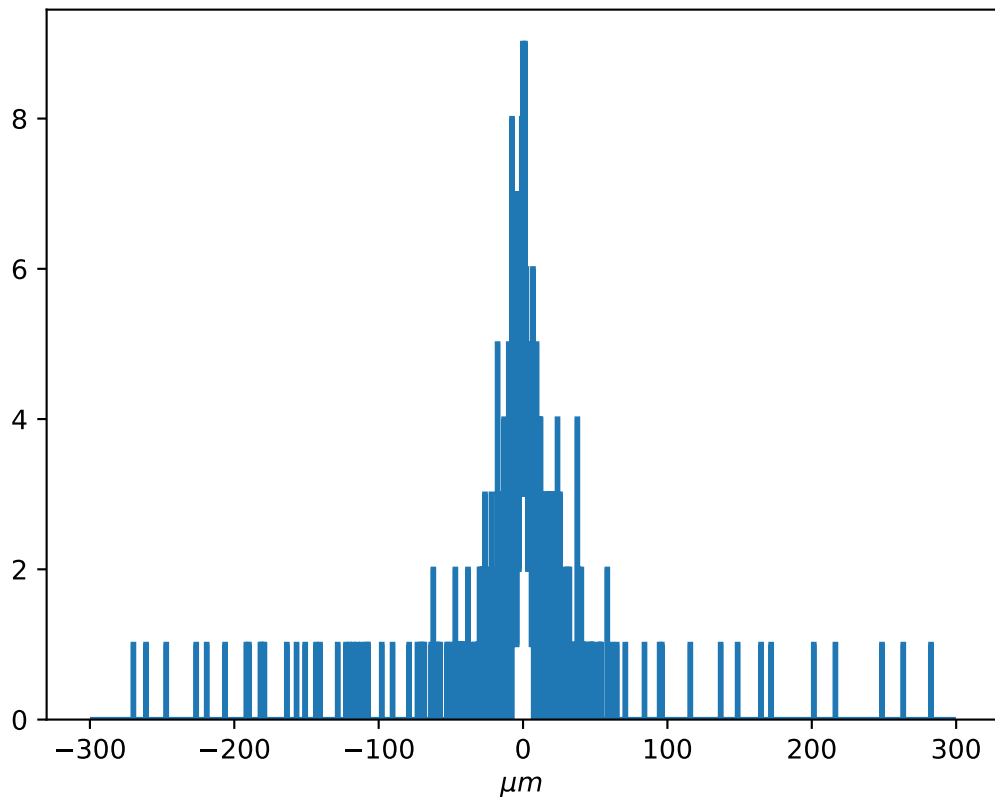
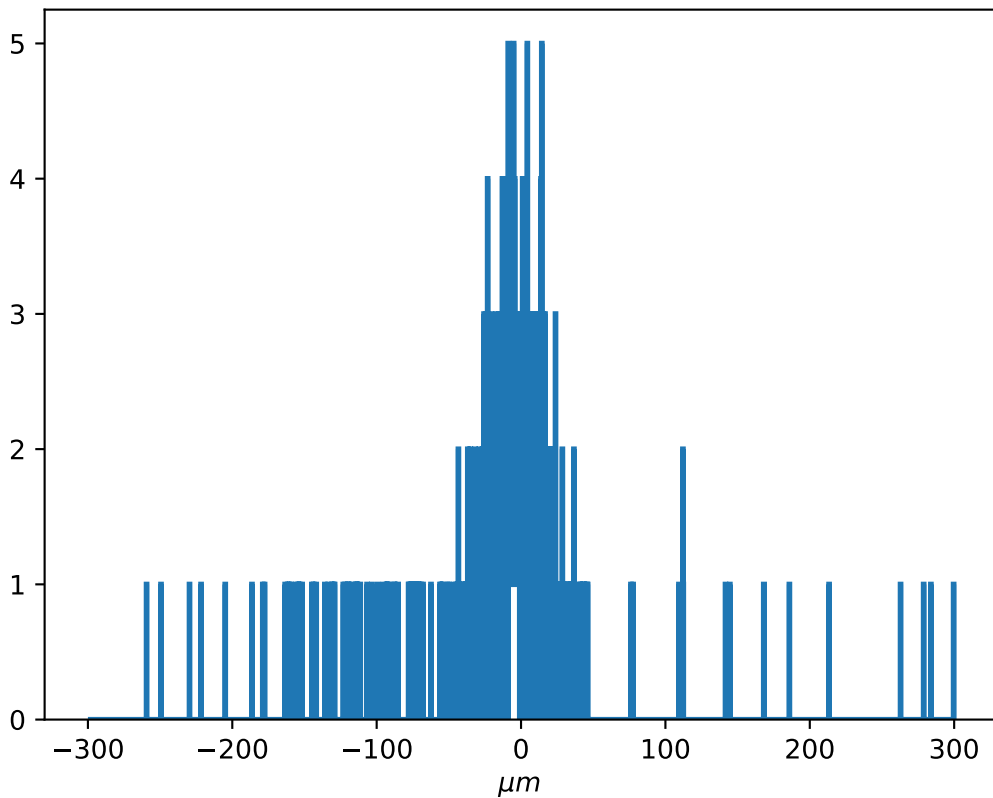residuals in x for clustersize = 4, $\sigma = 22.56$

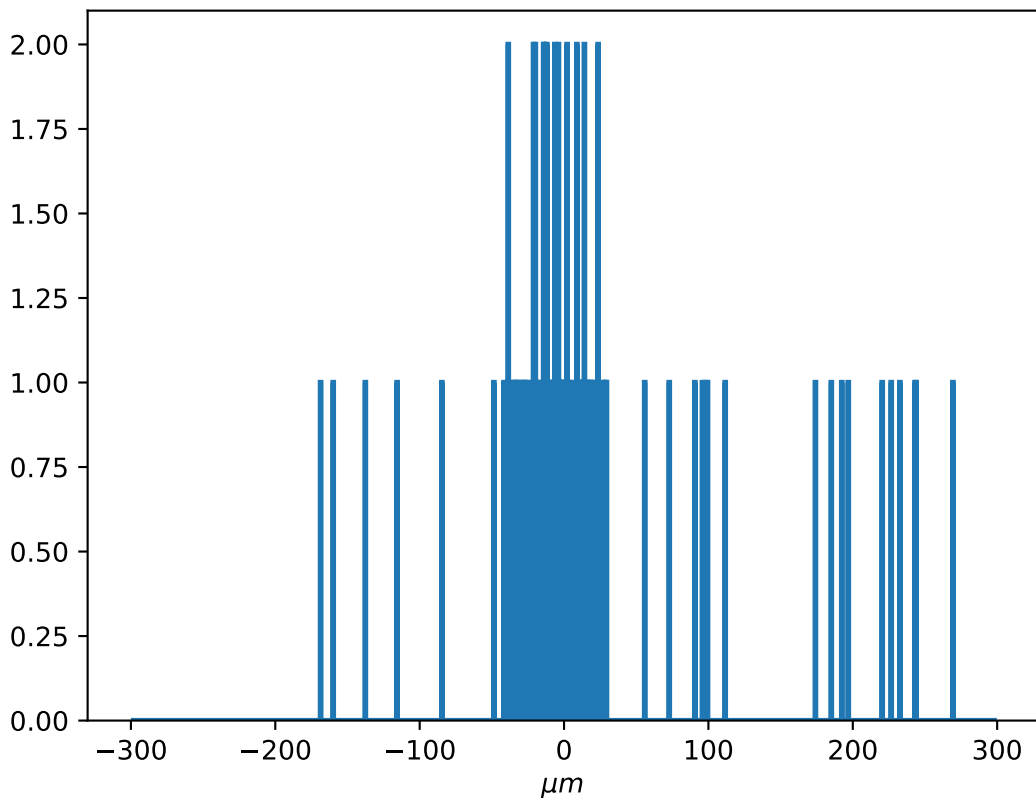residuals in x for clustersize = 5, σ = 25.14

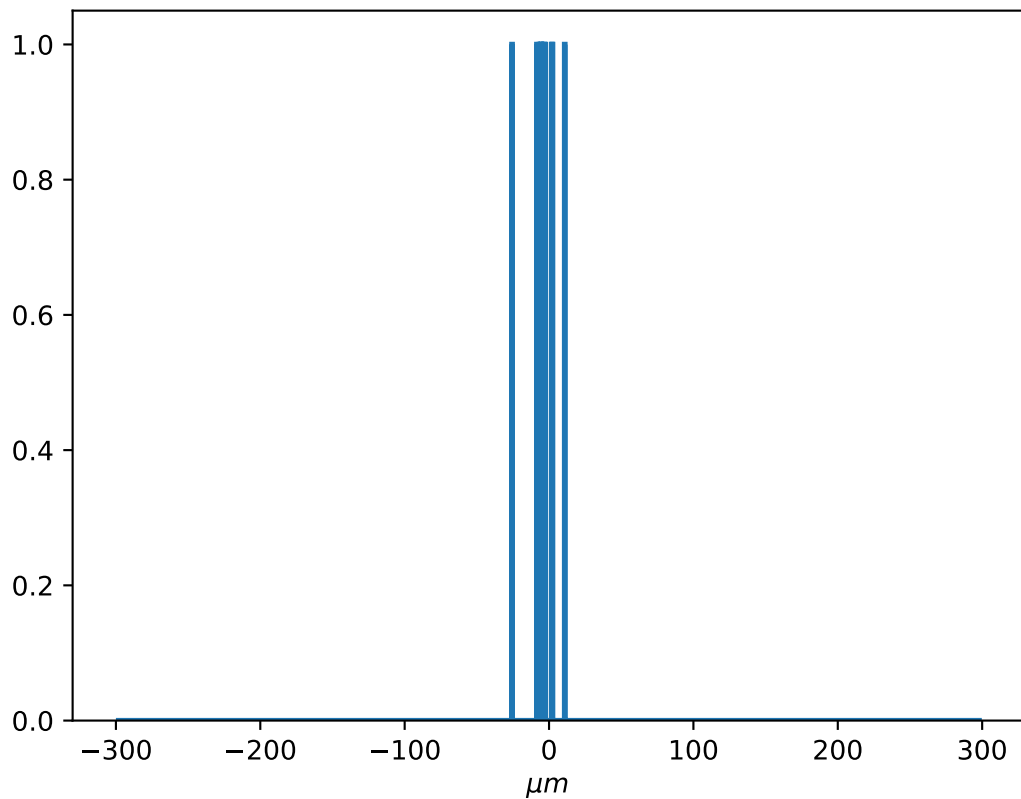residuals in x for clustersize = 6, $\sigma = 63.78$

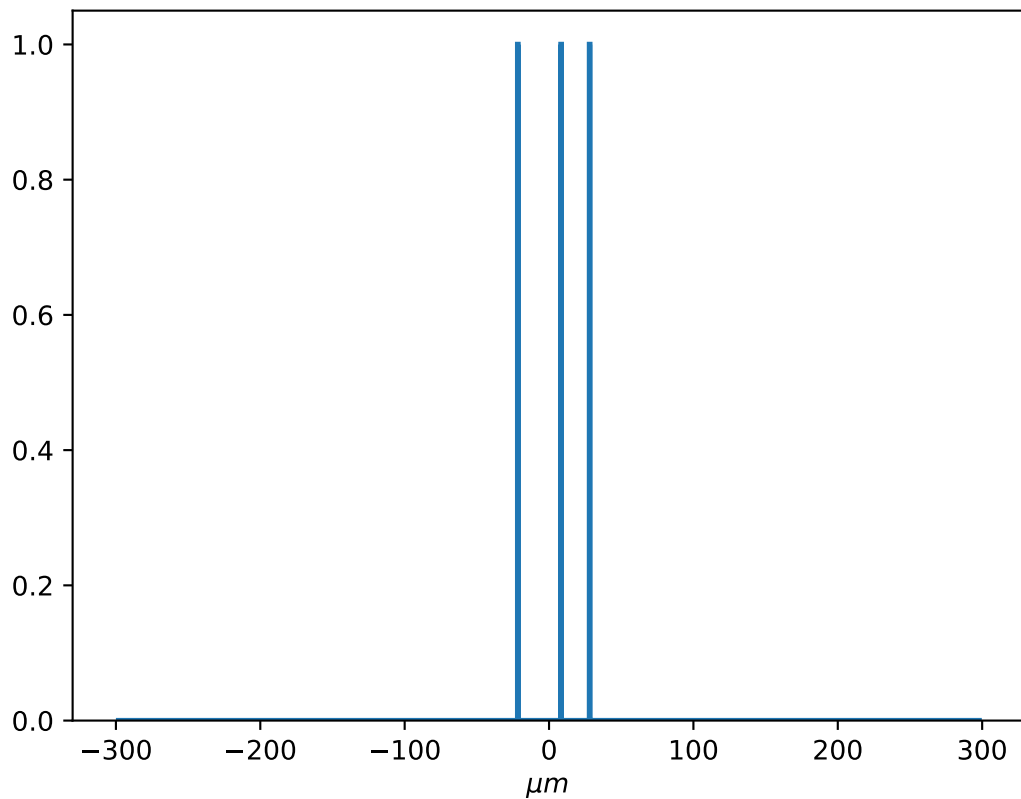residuals in x for clustersize = 7, σ = 100.47

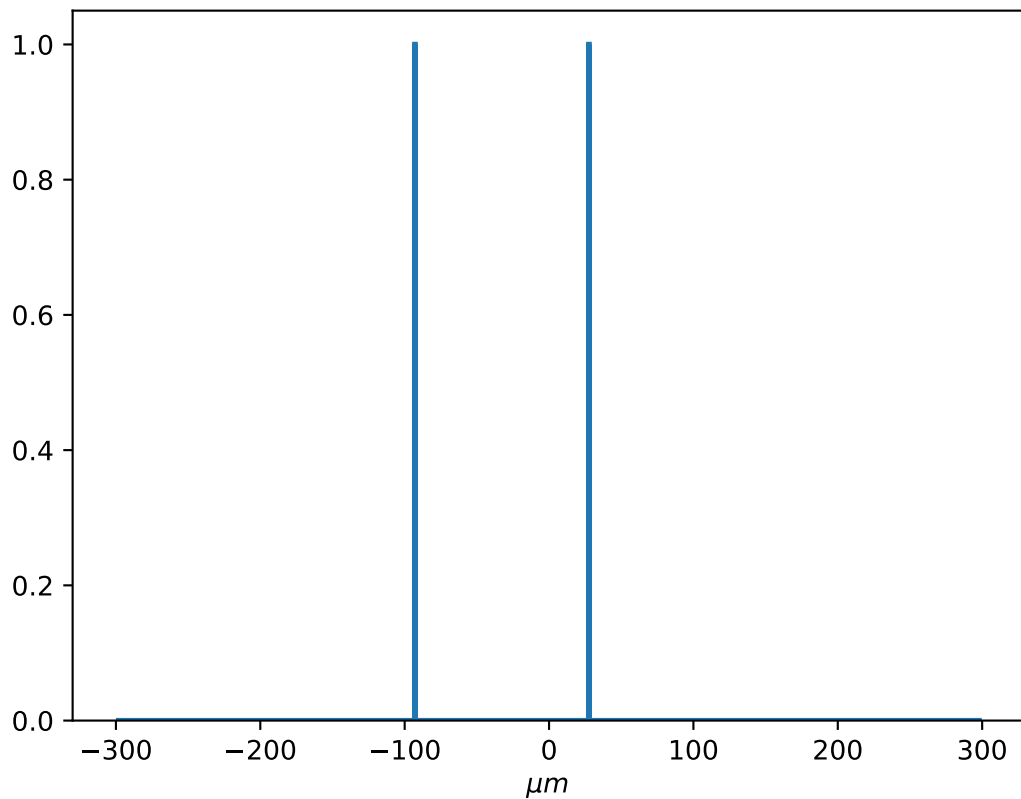residuals in x for clustersize = 8, σ = 112.27

residuals in x for clustersize = 9, σ = 8.91

residuals in x for clustersize = 10, σ = 20.47

residuals in x for clustersize = 11, $\sigma = 60.32$

residuals in x for clustersize = 13, σ = 0.00