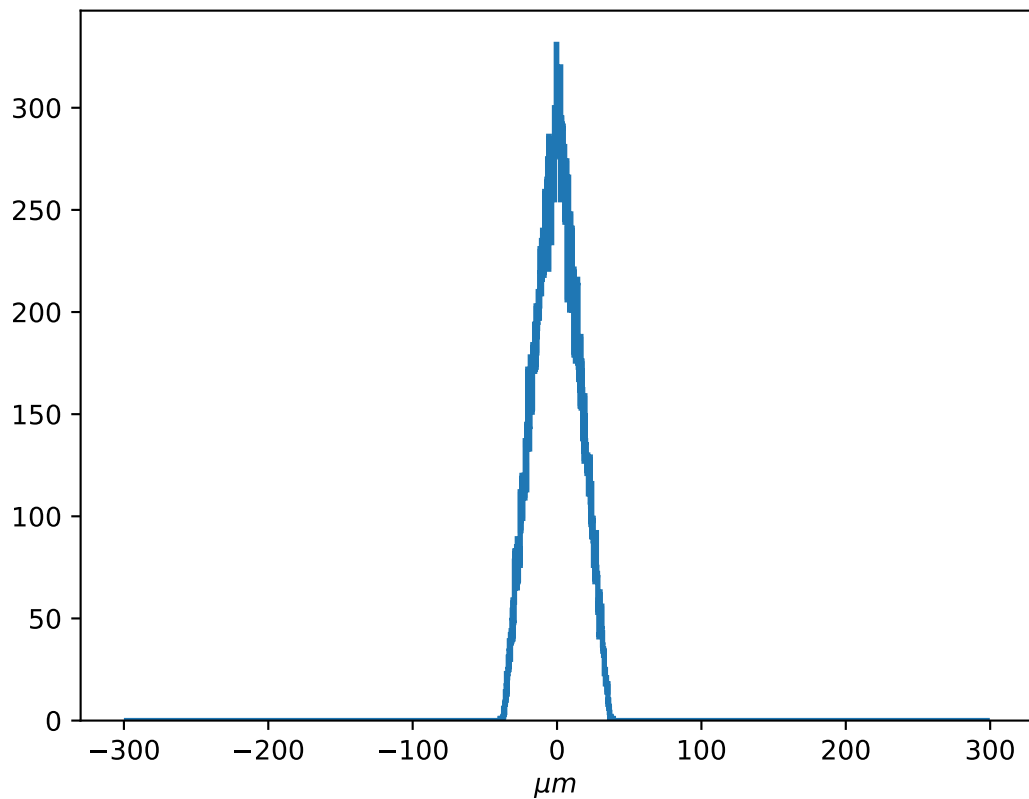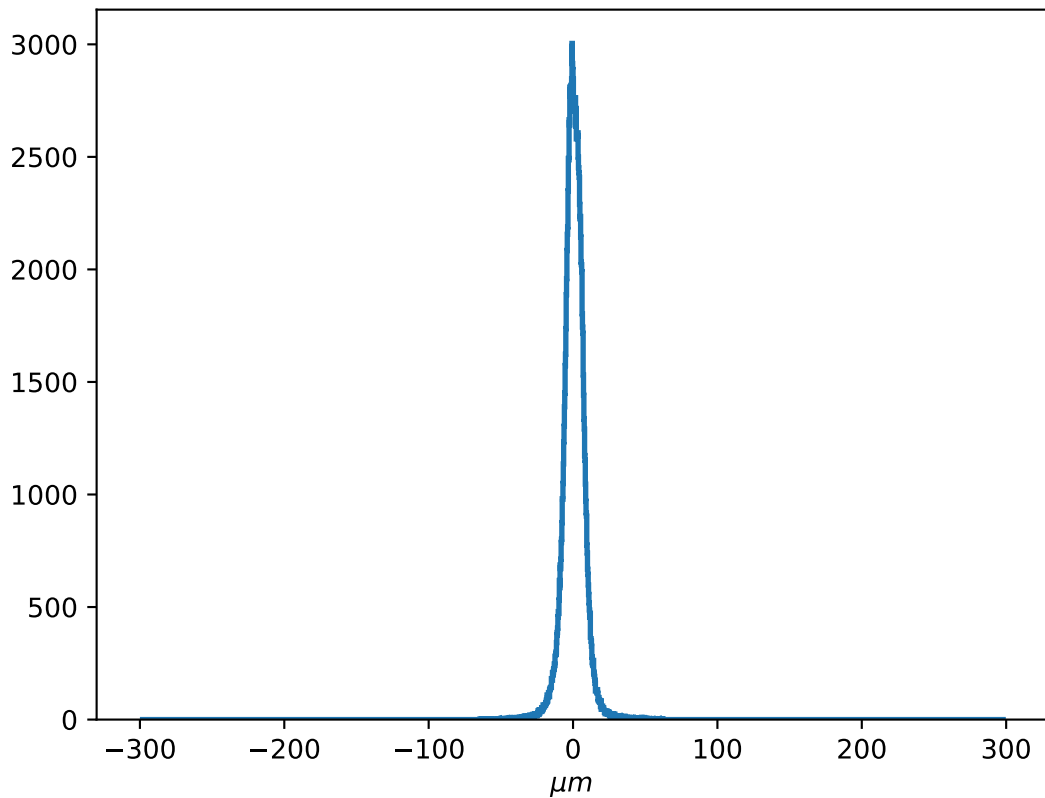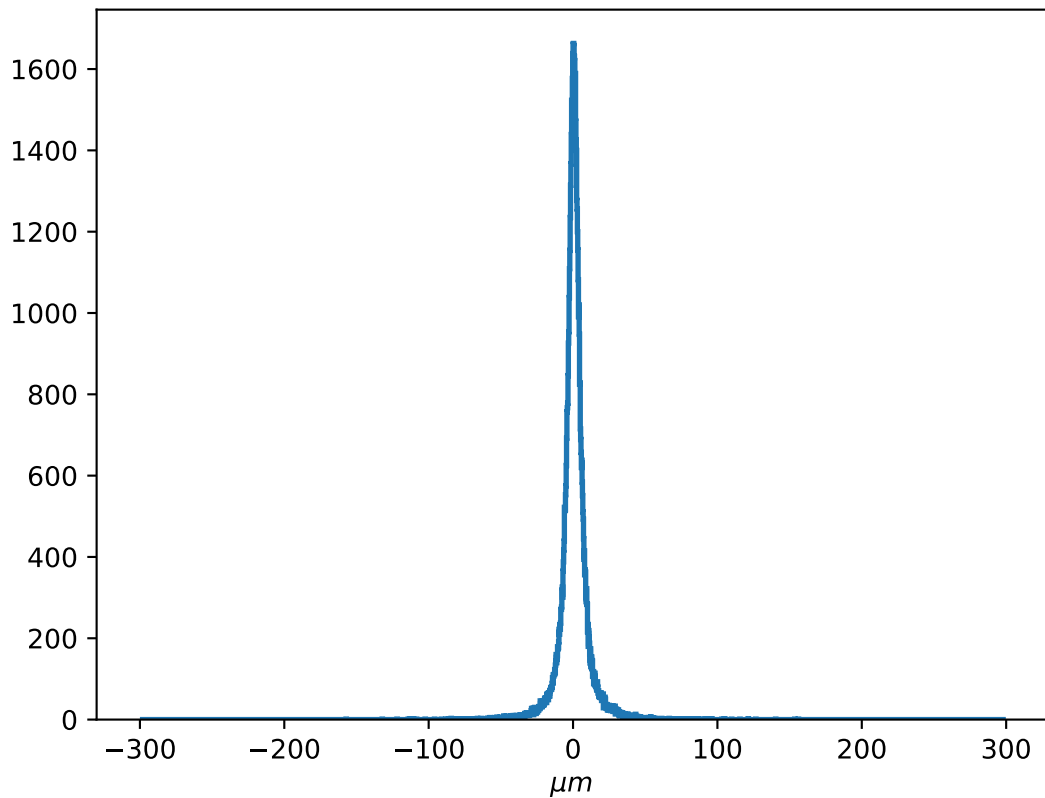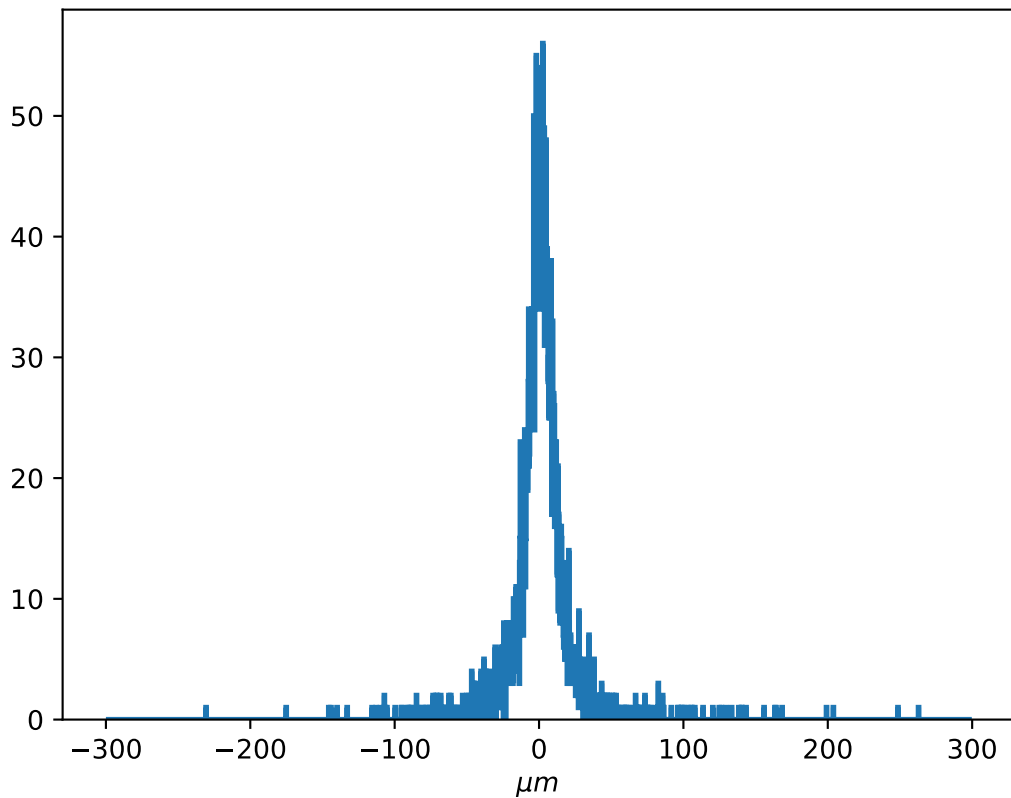residuals in x for clustersize = 1, σ = 14.96

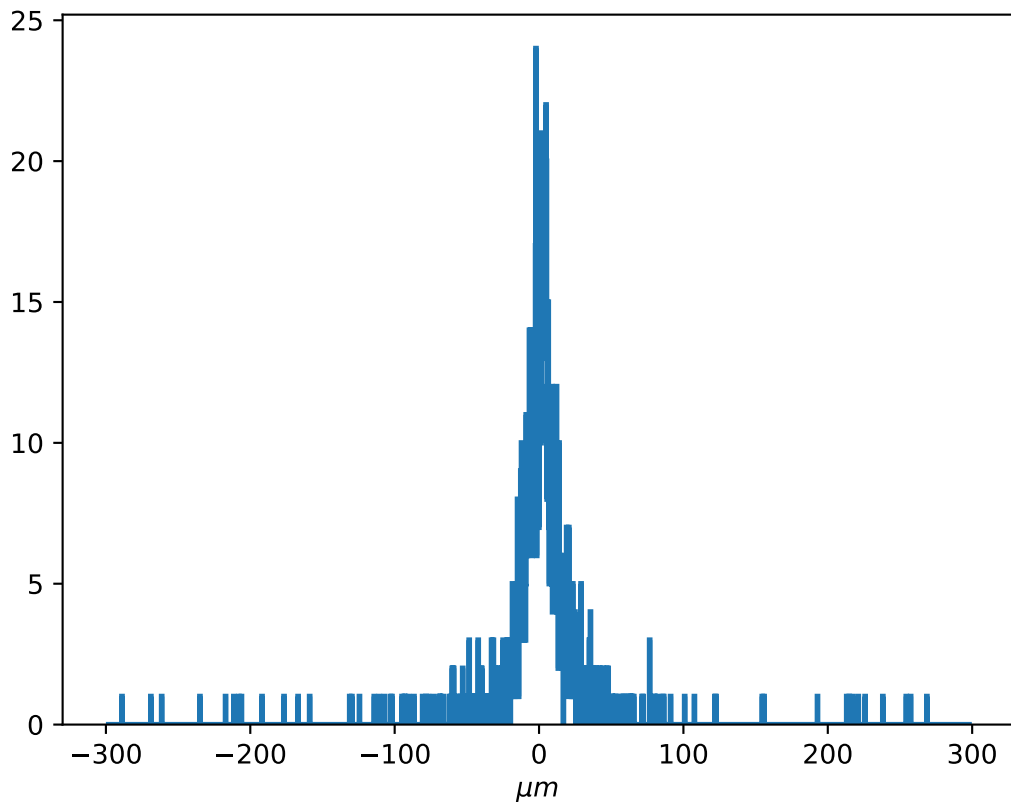residuals in x for clustersize = 2, σ = 7.52

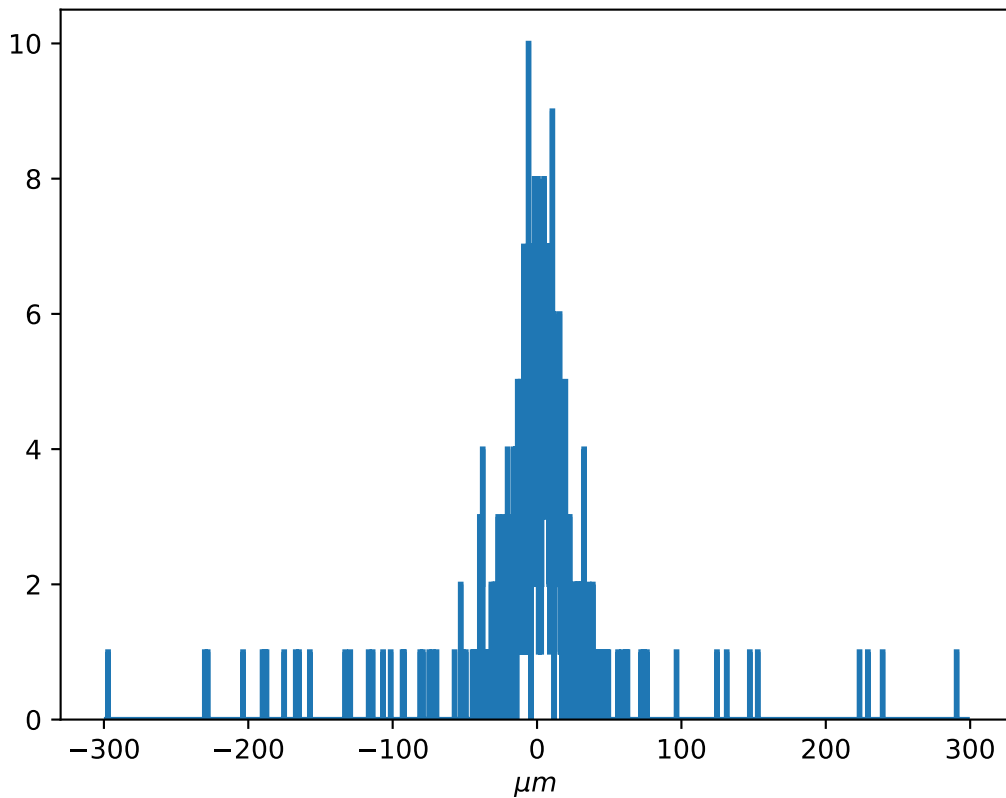residuals in x for clustersize = 3, $\sigma = 9.94$

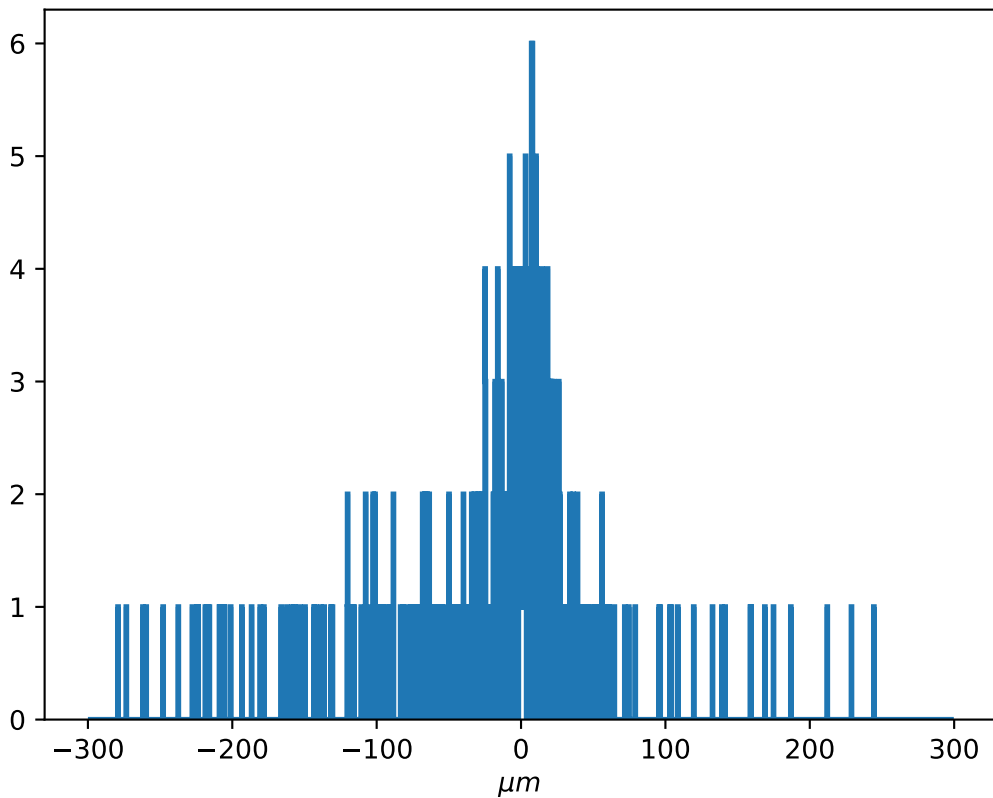residuals in x for clustersize = 4, $\sigma = 22.42$
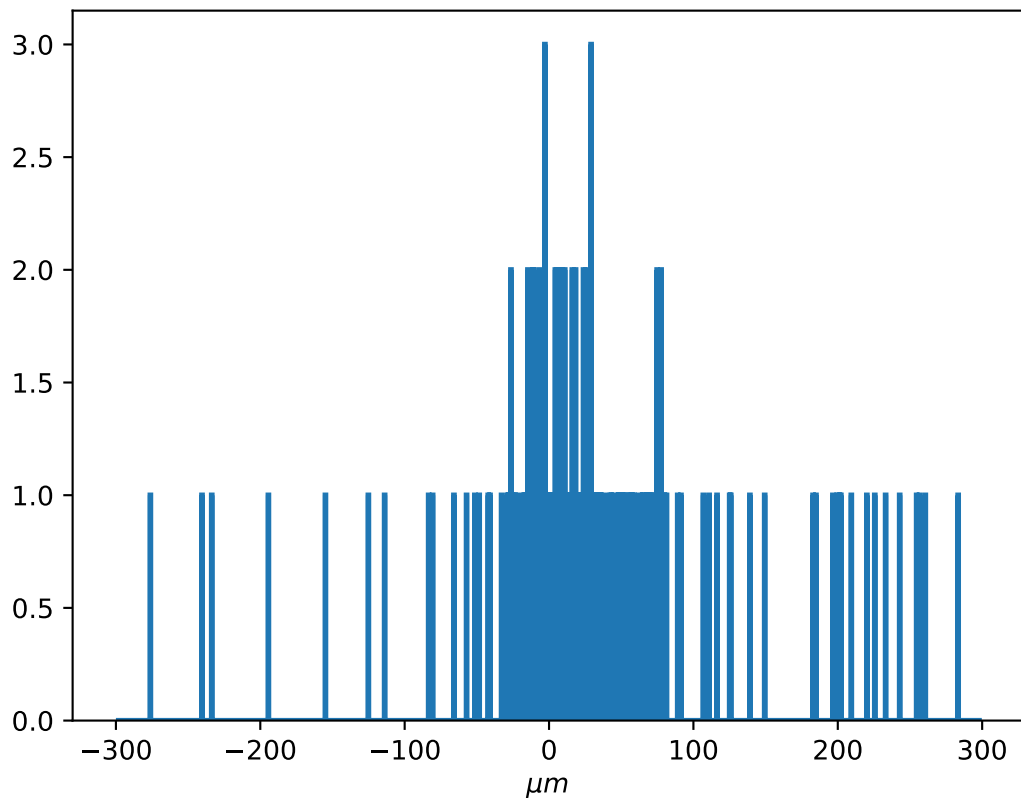
residuals in x for clustersize = 5, $\sigma = 34.46$

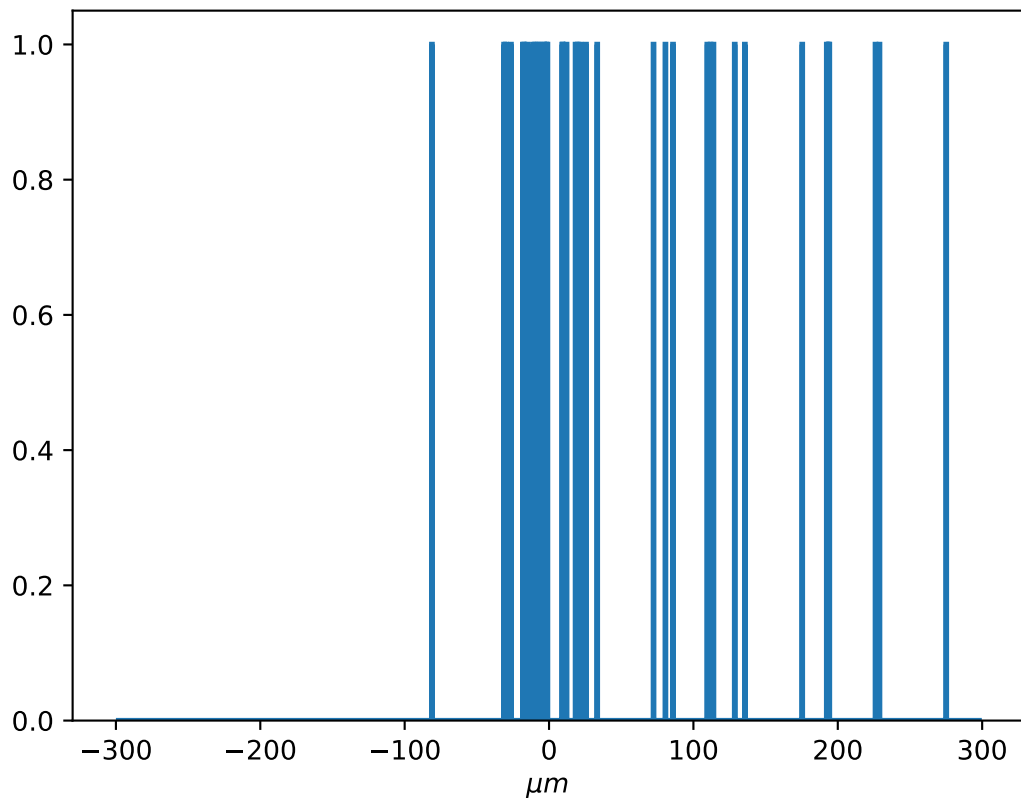residuals in x for clustersize = 6, σ = 47.88

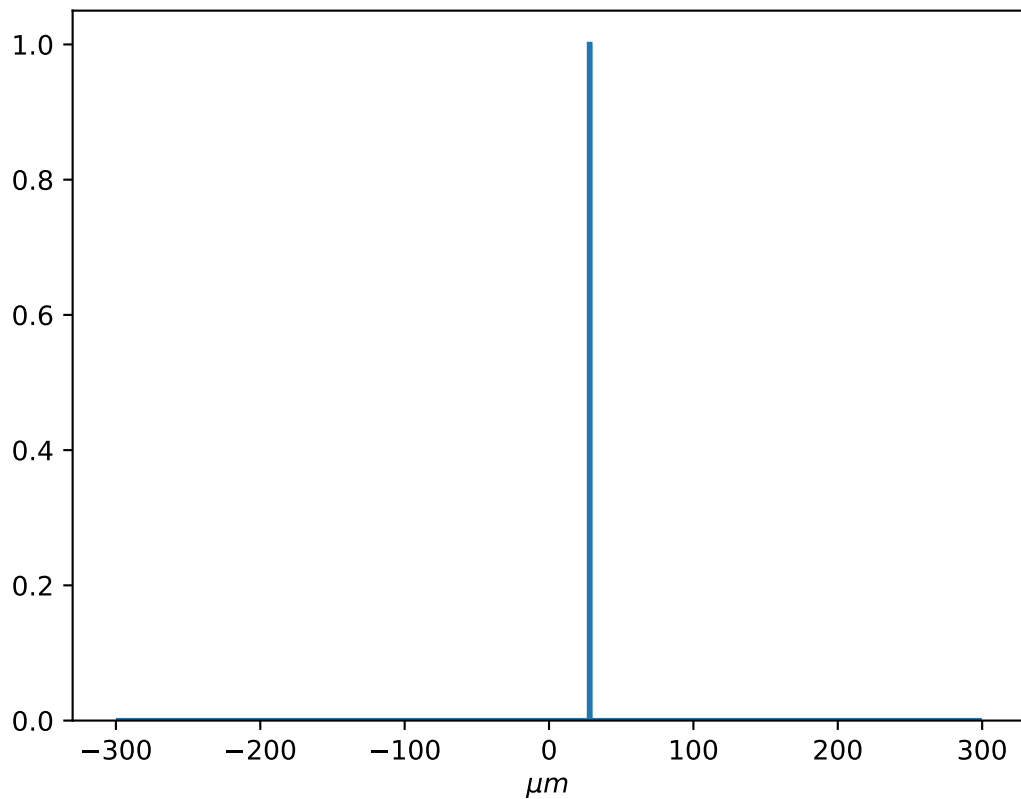residuals in x for clustersize = 7, σ = 115.88

residuals in x for clustersize = 8, σ = 175.24

residuals in x for clustersize = 9, σ = 89.26

residuals in x for clustersize = 10, $\sigma = 0.00$

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