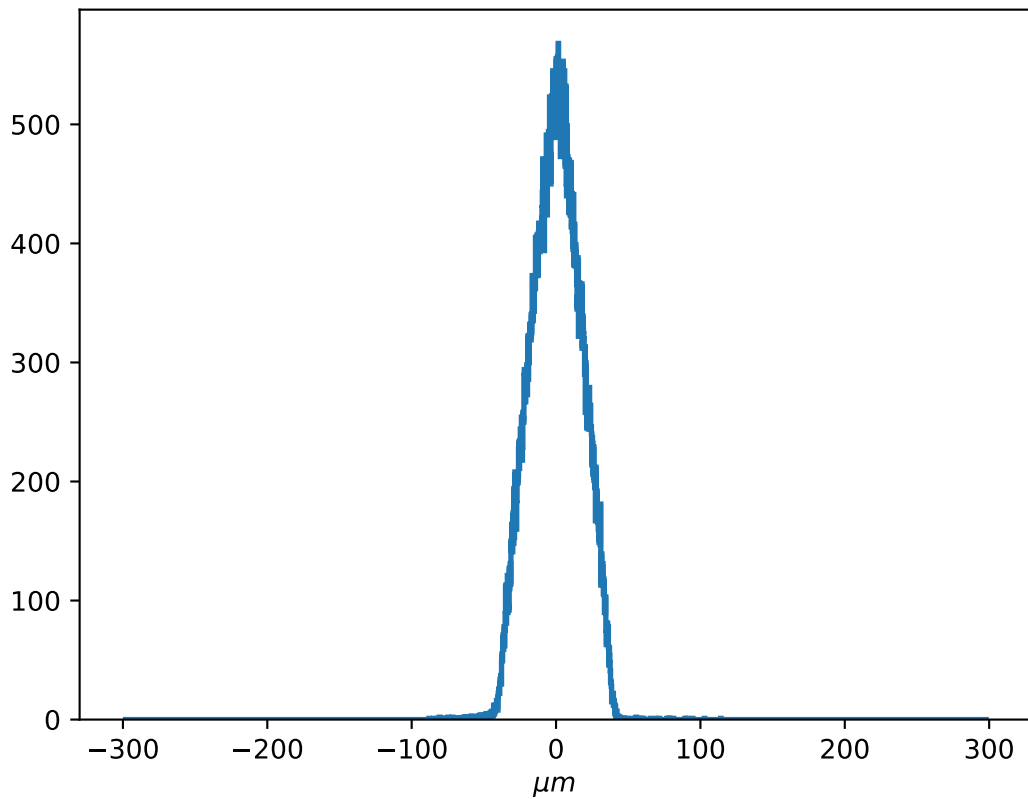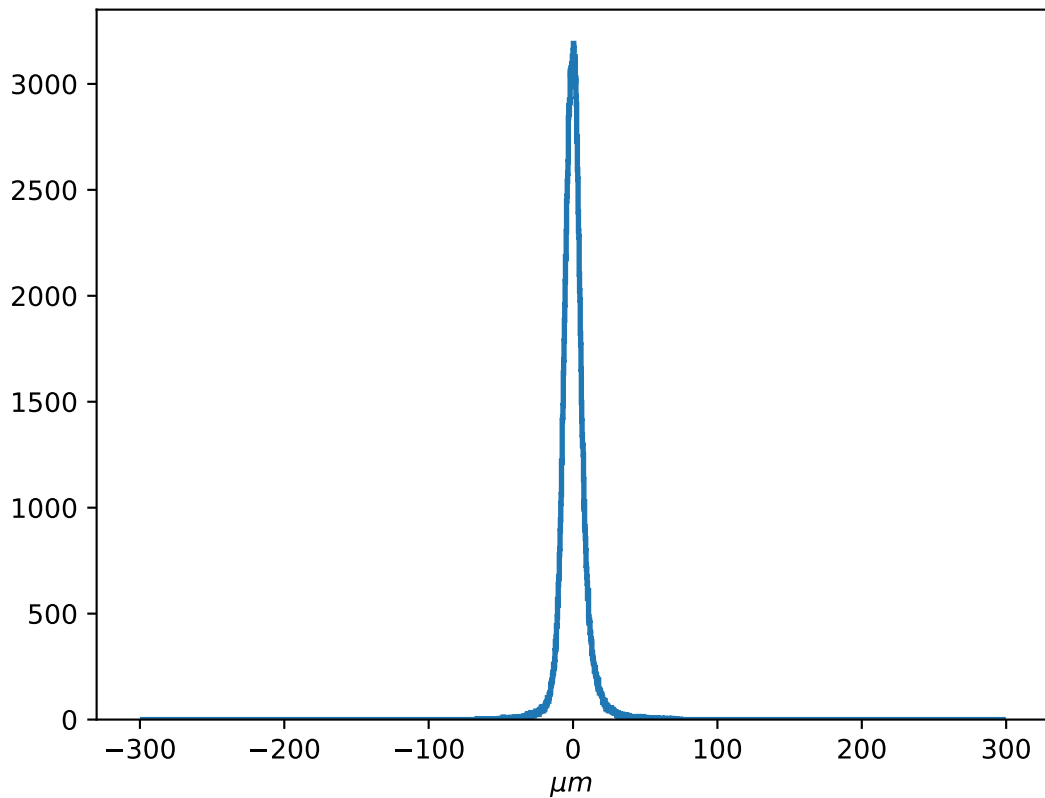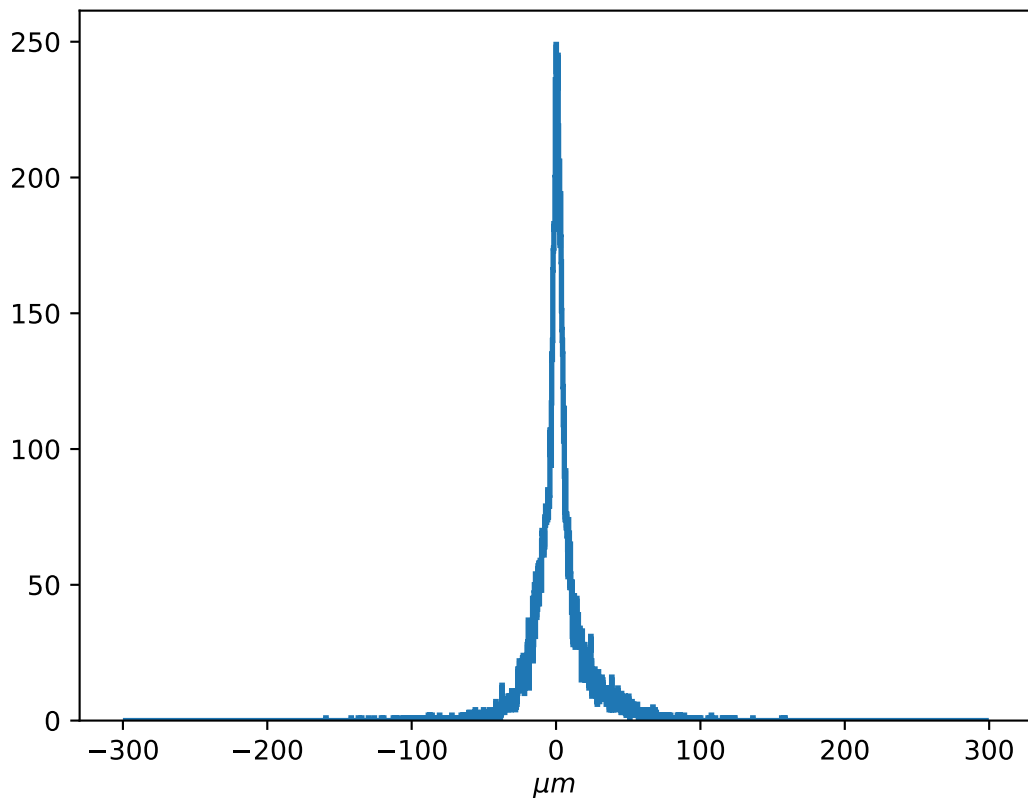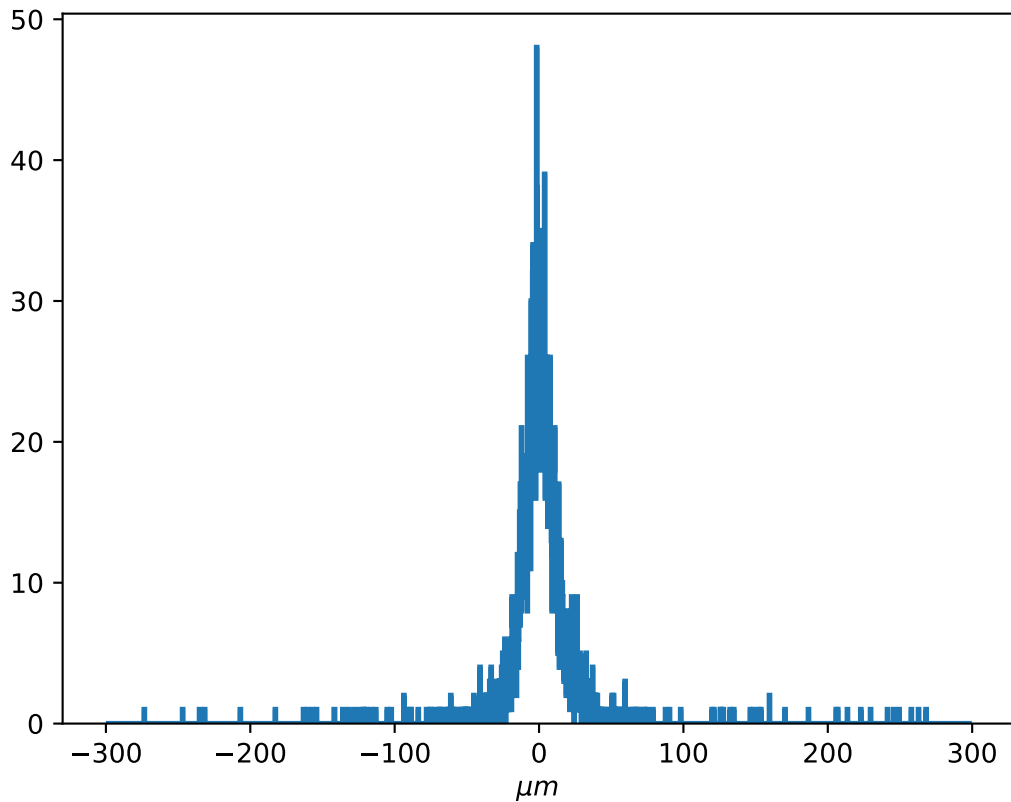residuals in x for clustersize = 1, σ = 17.09

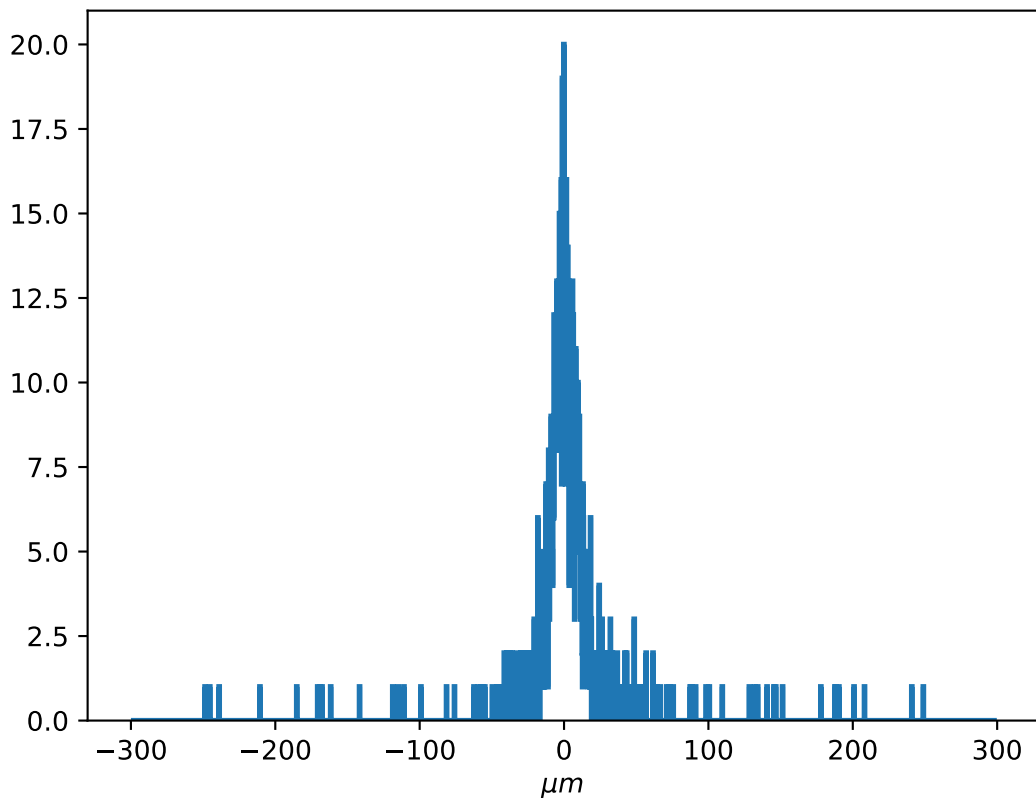residuals in x for clustersize = 2, σ = 8.51

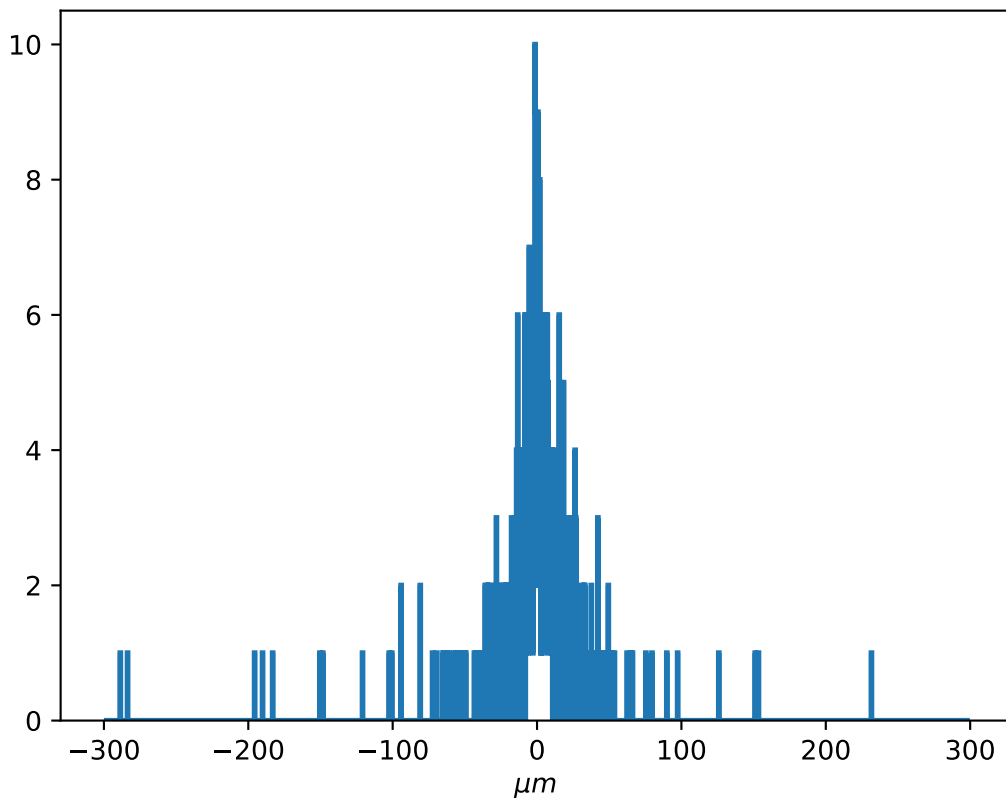residuals in x for clustersize = 3, $\sigma = 18.58$

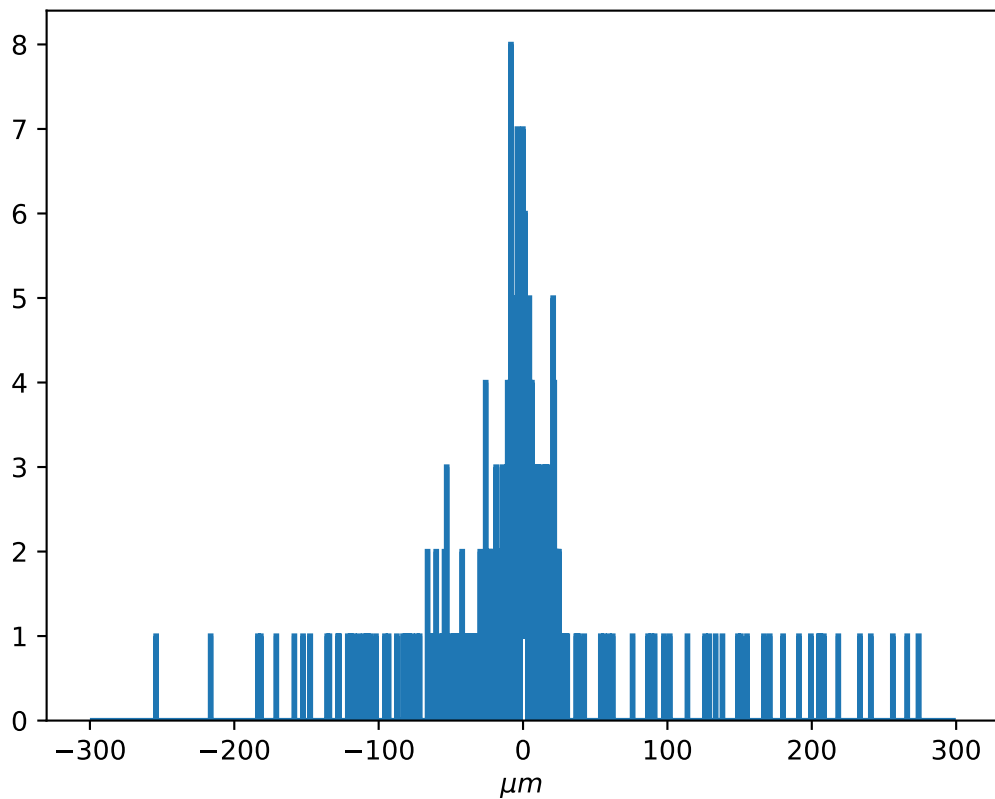residuals in x for clustersize = 4, σ = 28.28
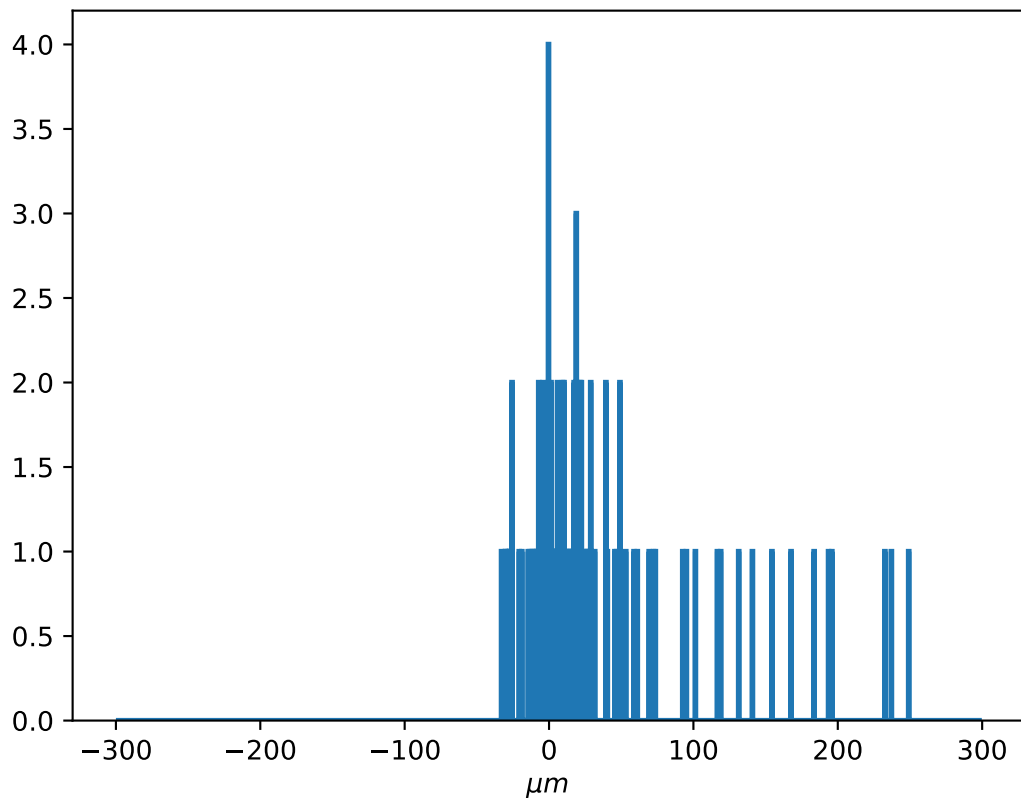
residuals in x for clustersize = 5, $\sigma = 35.92$

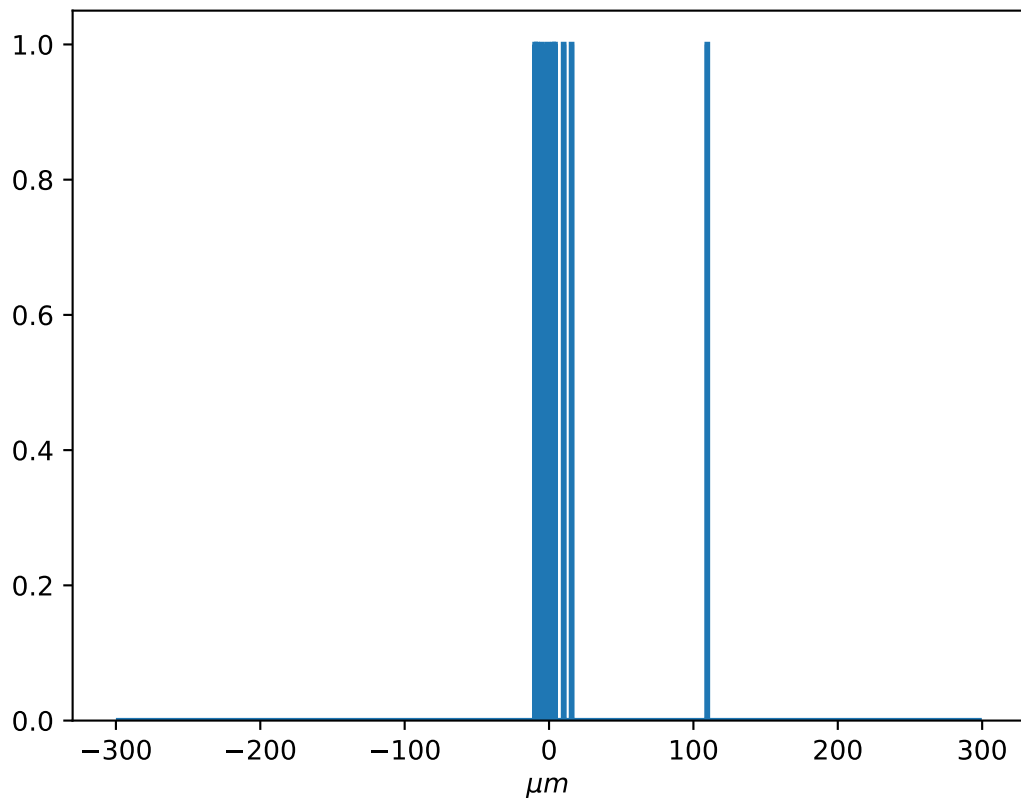residuals in x for clustersize = 6, $\sigma = 46.04$

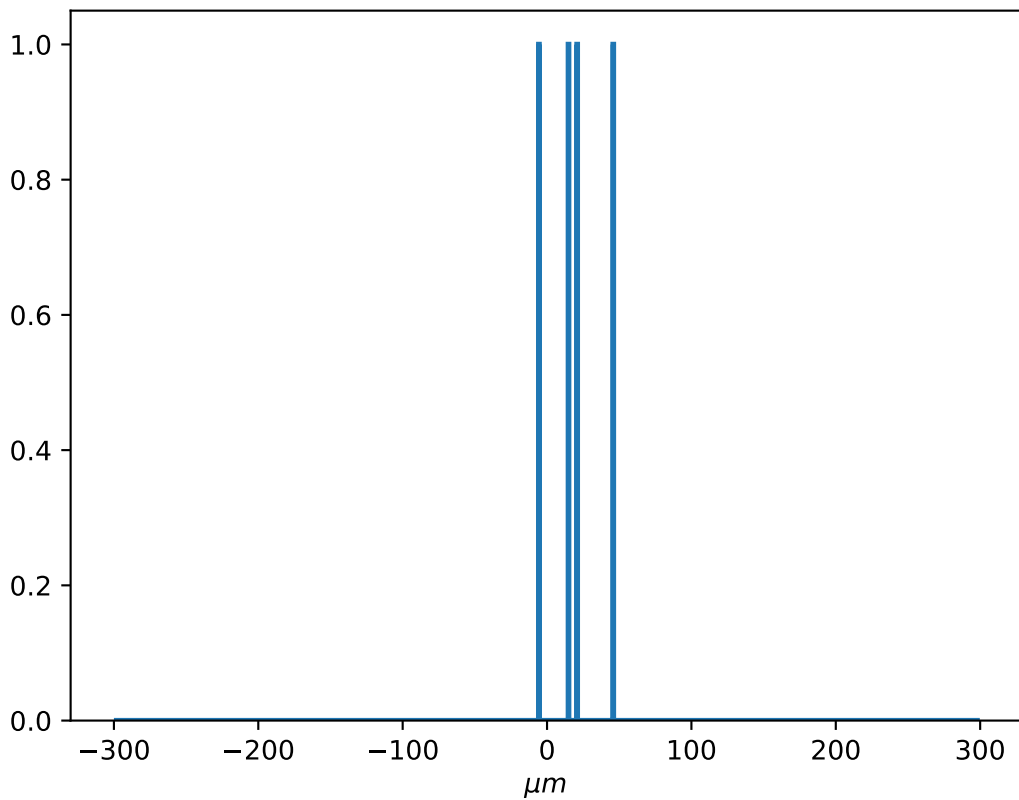residuals in x for clustersize = 7, σ = 88.22

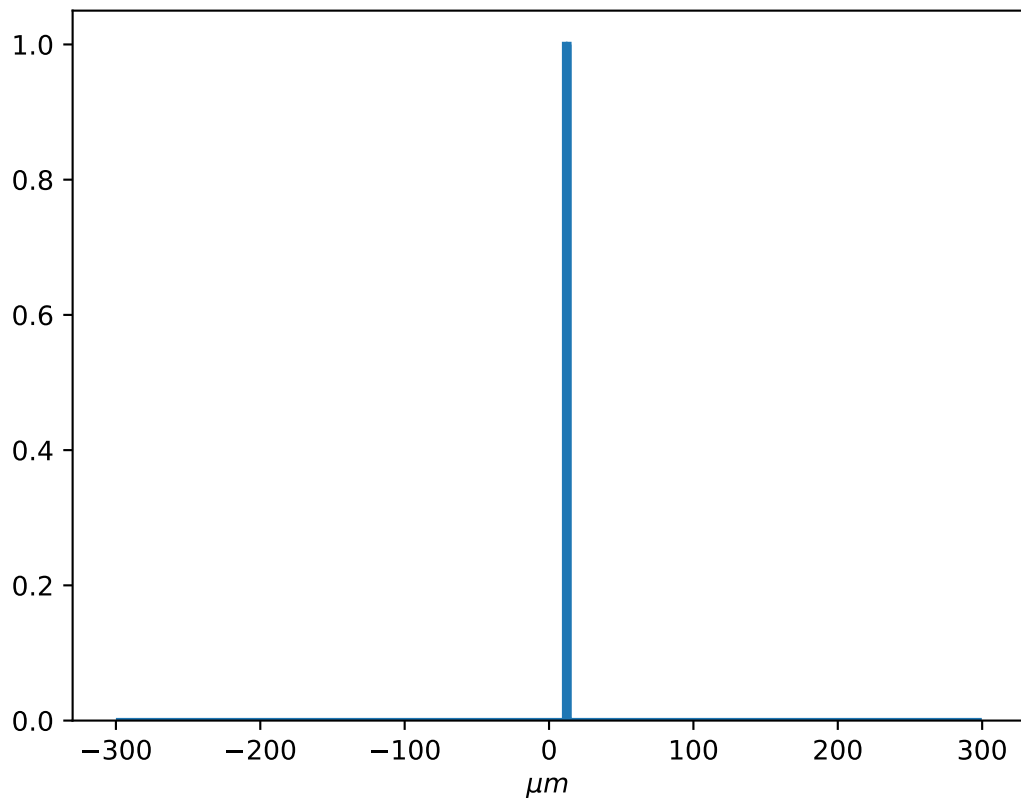residuals in x for clustersize = 8, $\sigma = 69.05$

residuals in x for clustersize = 9, σ = 34.99

residuals in x for clustersize = 10, σ = 18.36

residuals in x for clustersize = 11, σ = 1.36

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