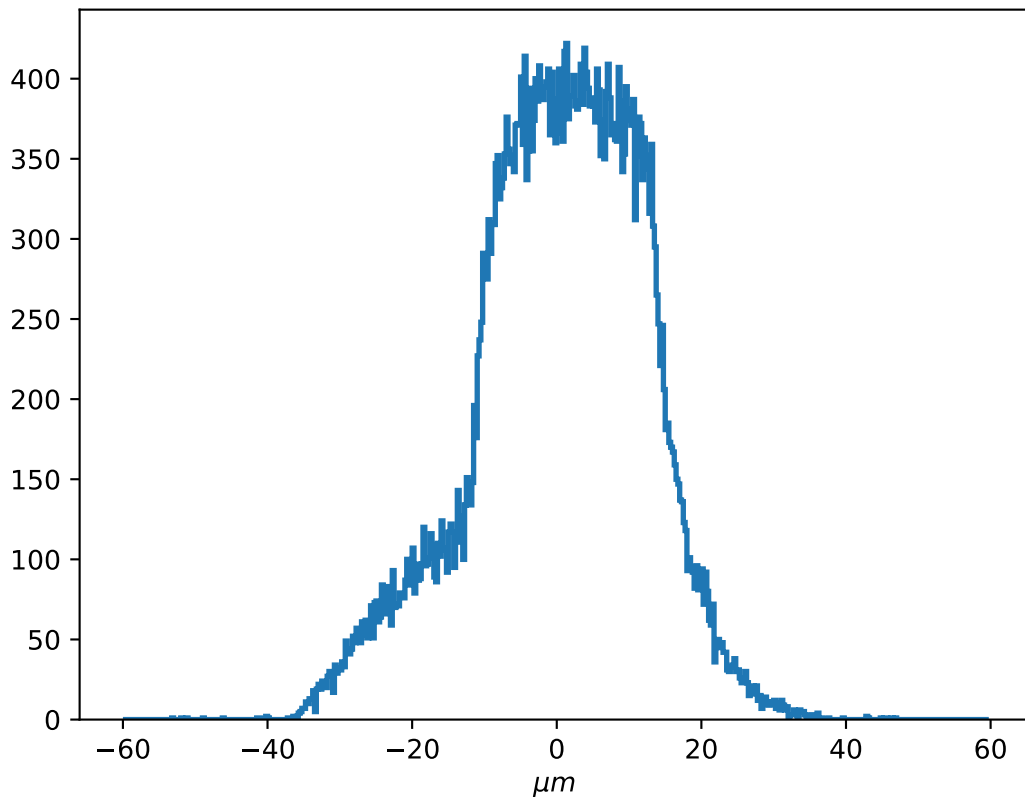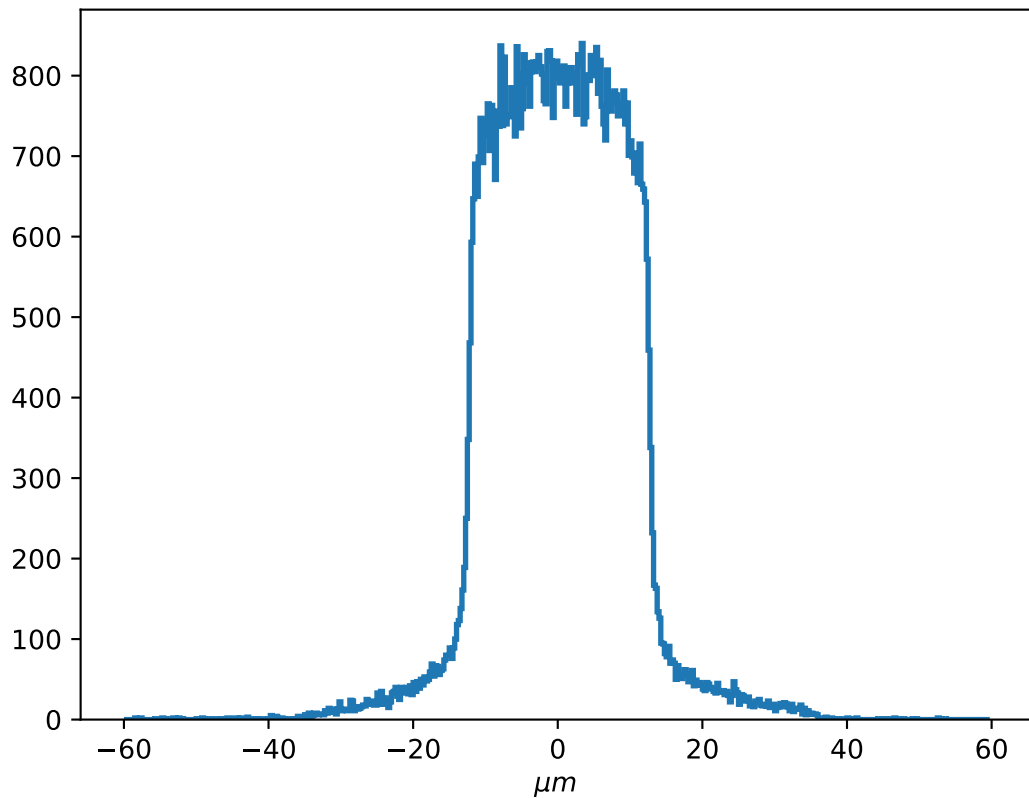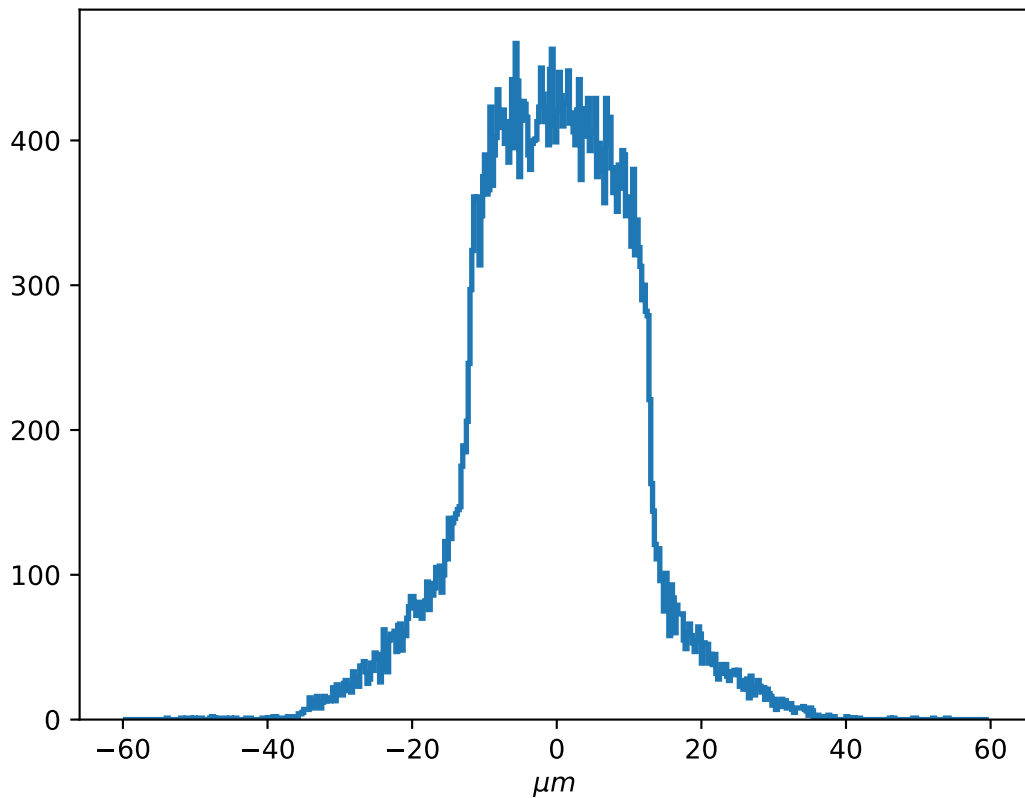residuals in x for clustersize = 1, $\sigma = 11.74$
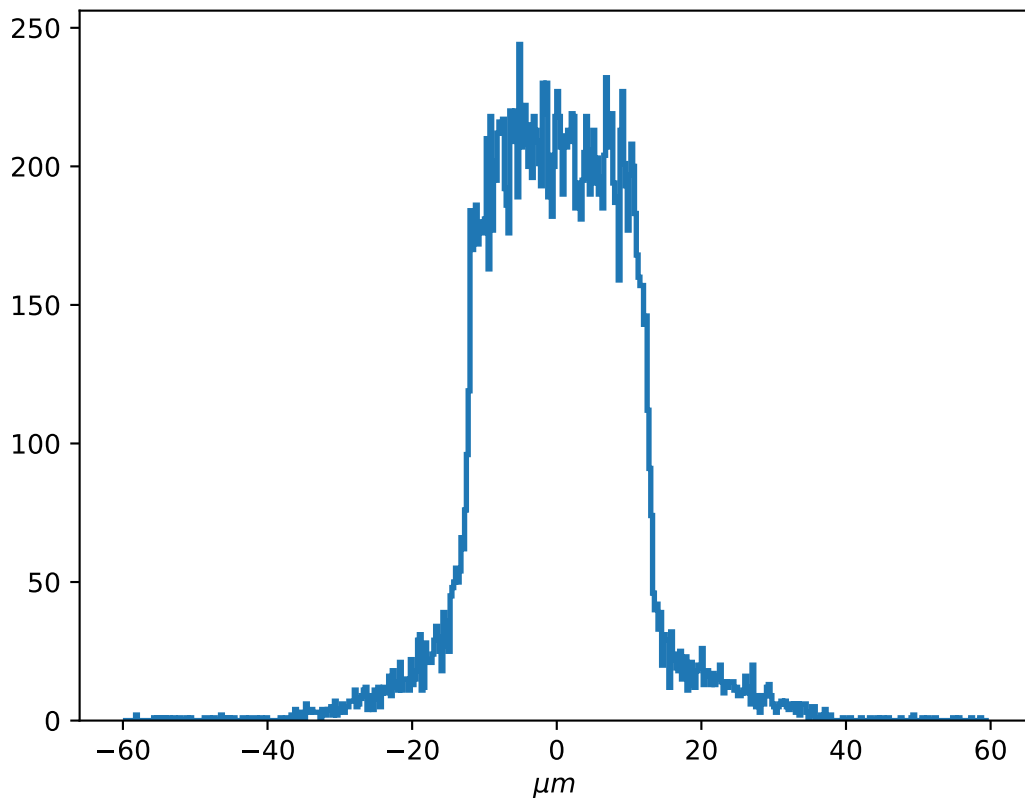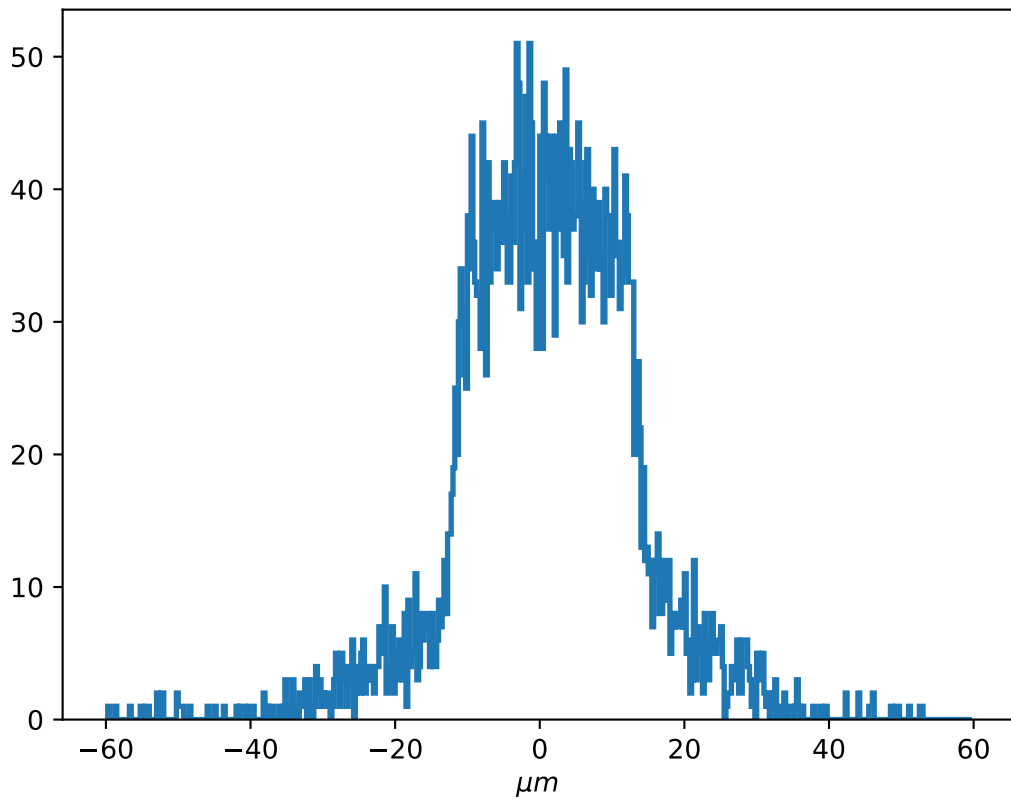
residuals in x for clustersize = 2, $\sigma = 9.14$

residuals in x for clustersize = 3, σ = 10.85
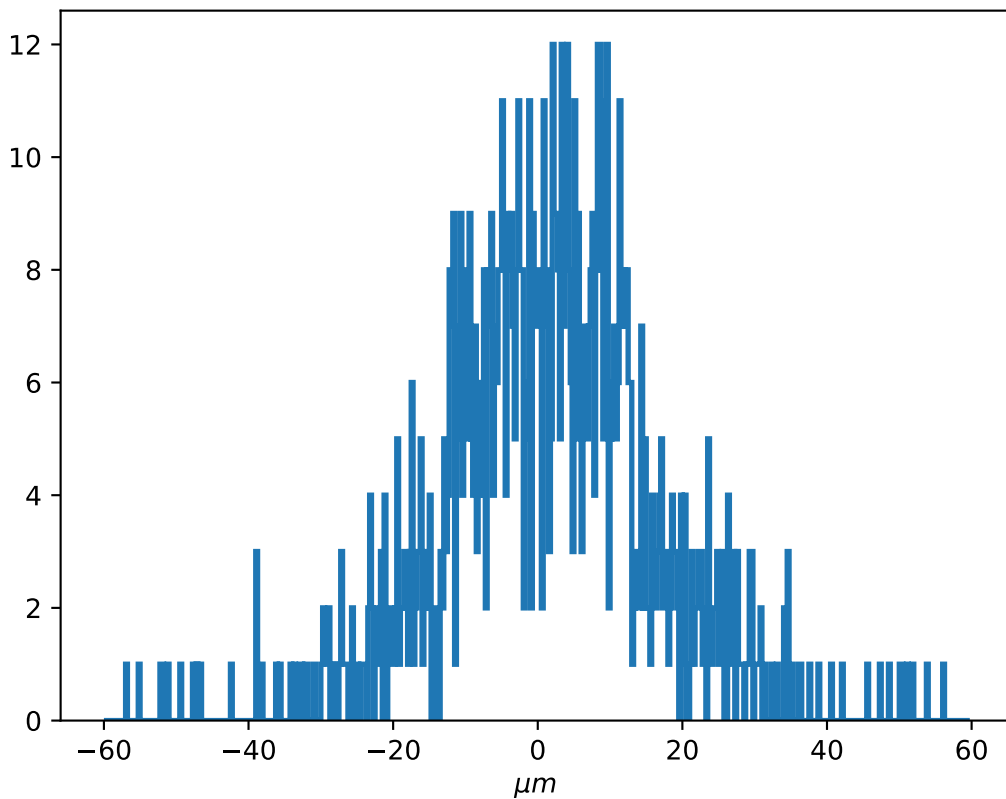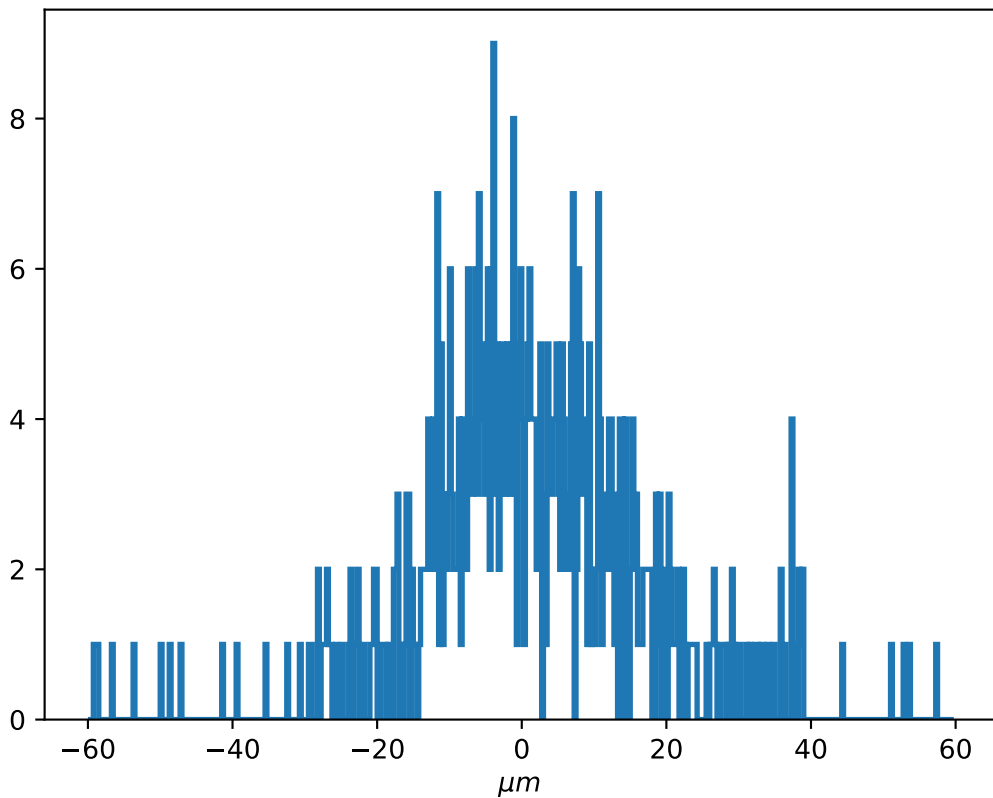
residuals in x for clustersize = 4, σ = 10.32
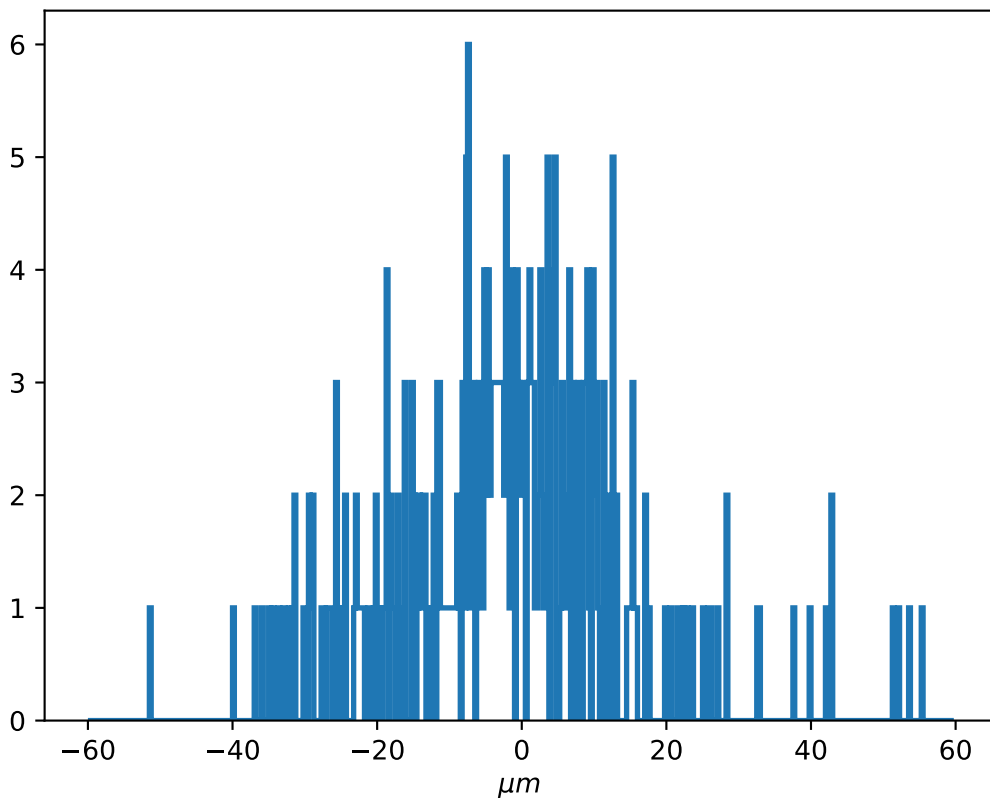
residuals in x for clustersize = 5, σ = 13.44

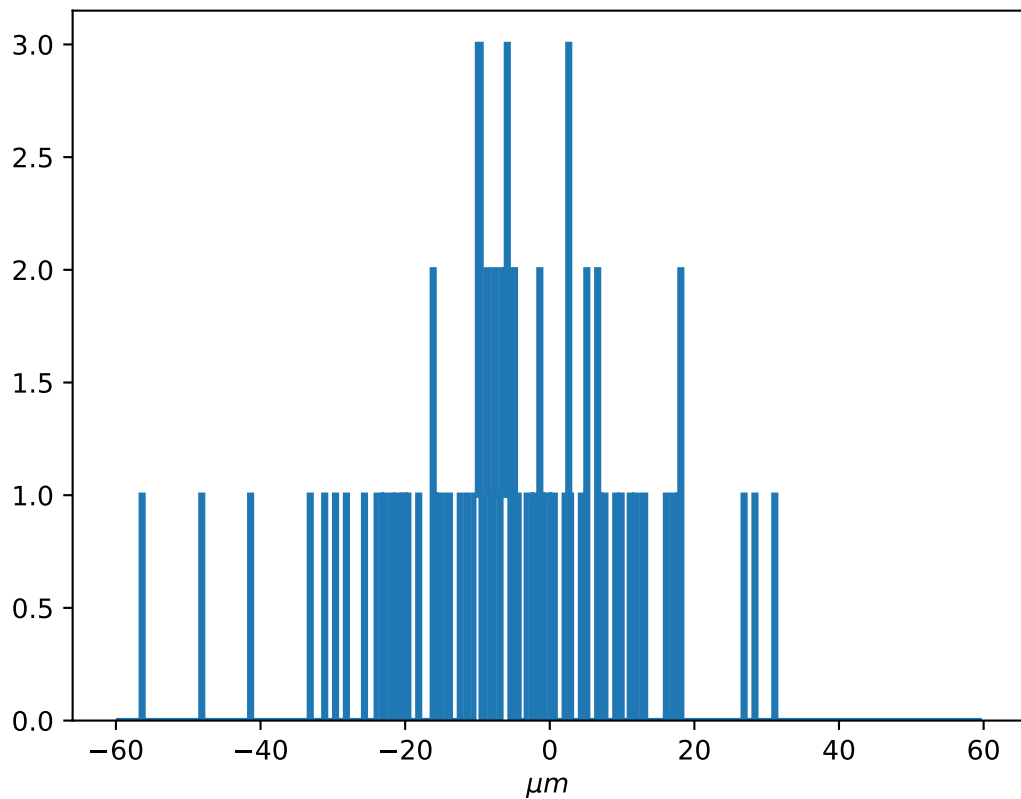residuals in x for clustersize = 6, σ = 19.61

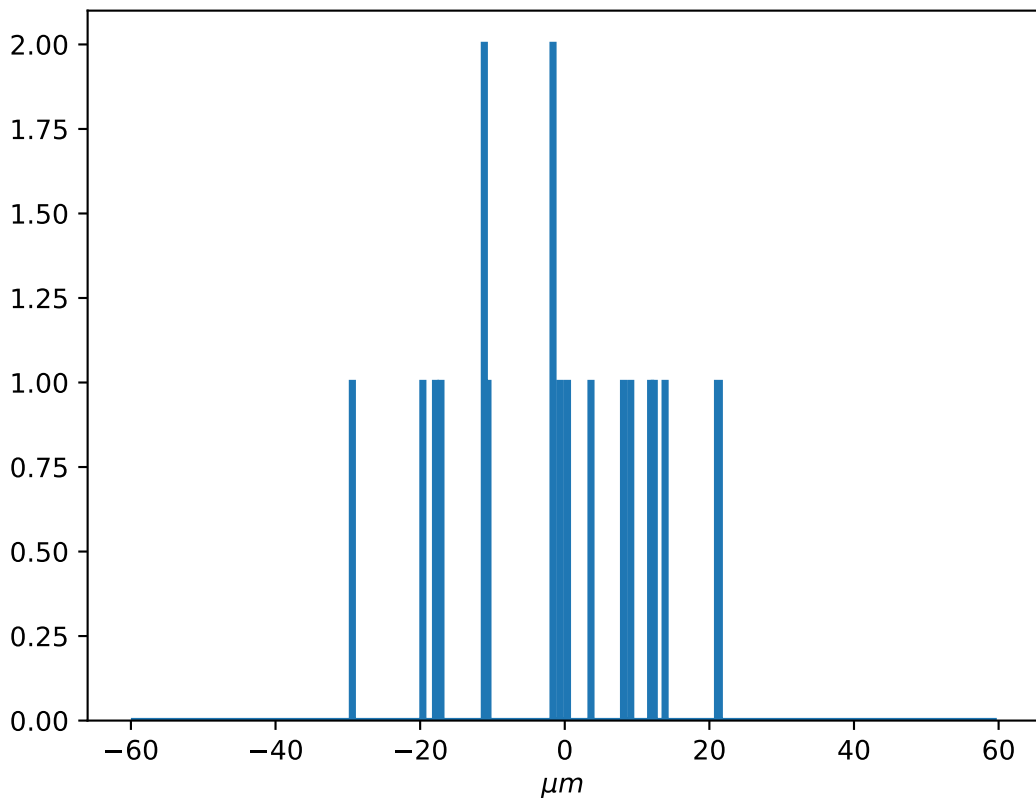residuals in x for clustersize = 7, σ = 20.76

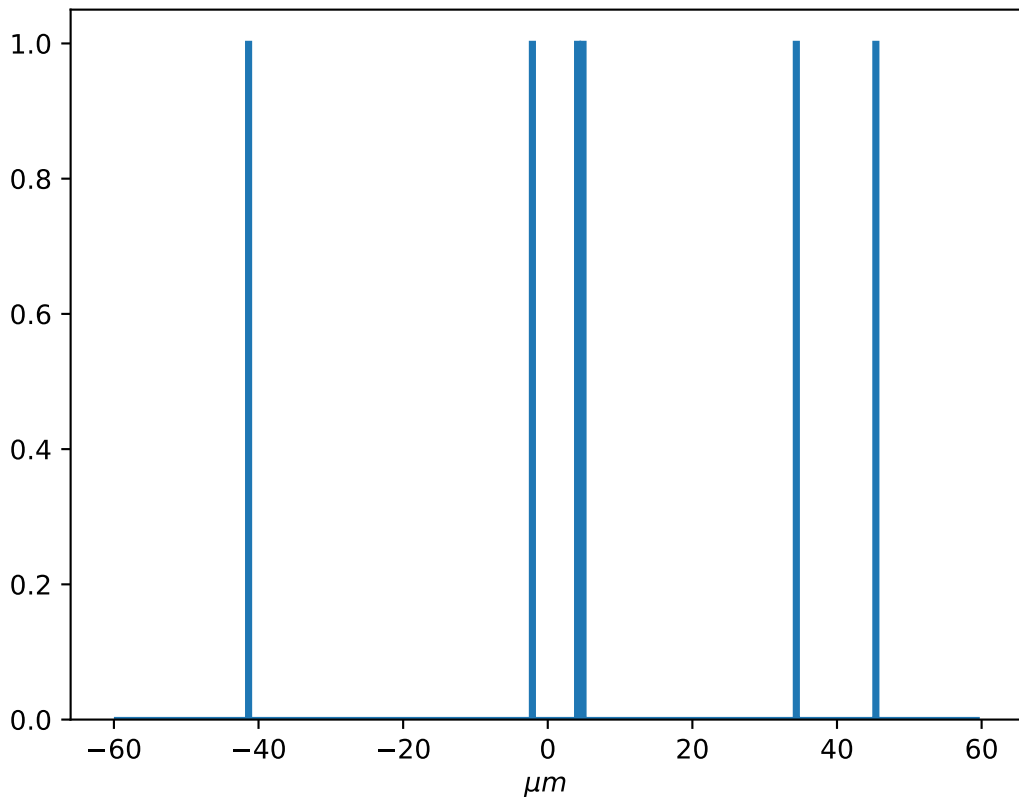residuals in x for clustersize = 8, $\sigma = 19.45$

residuals in x for clustersize = 9, $\sigma = 16.19$

residuals in x for clustersize = 10, σ = 14.07

residuals in x for clustersize = 11, $\sigma = 27.87$

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