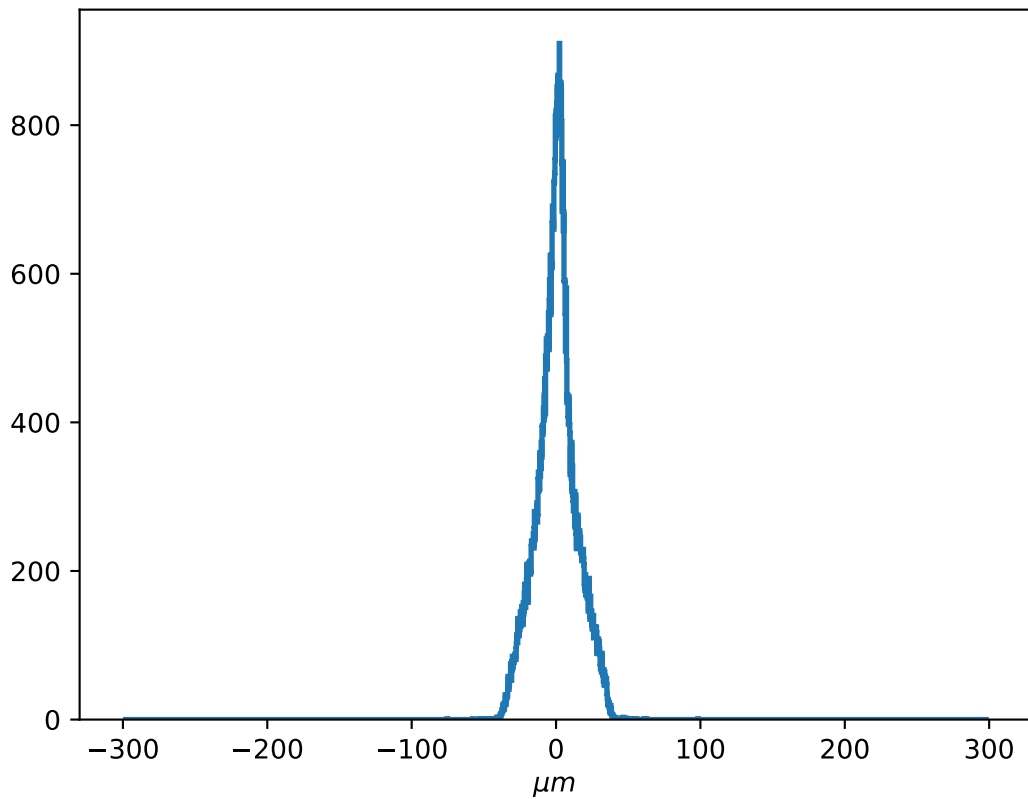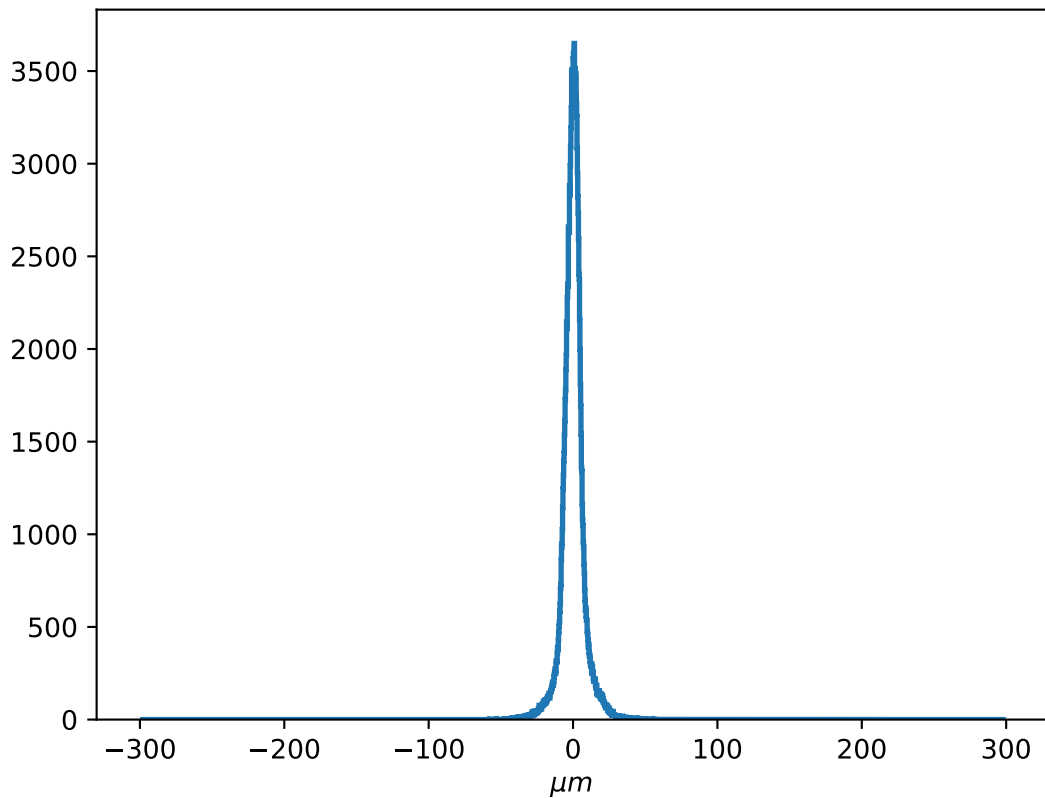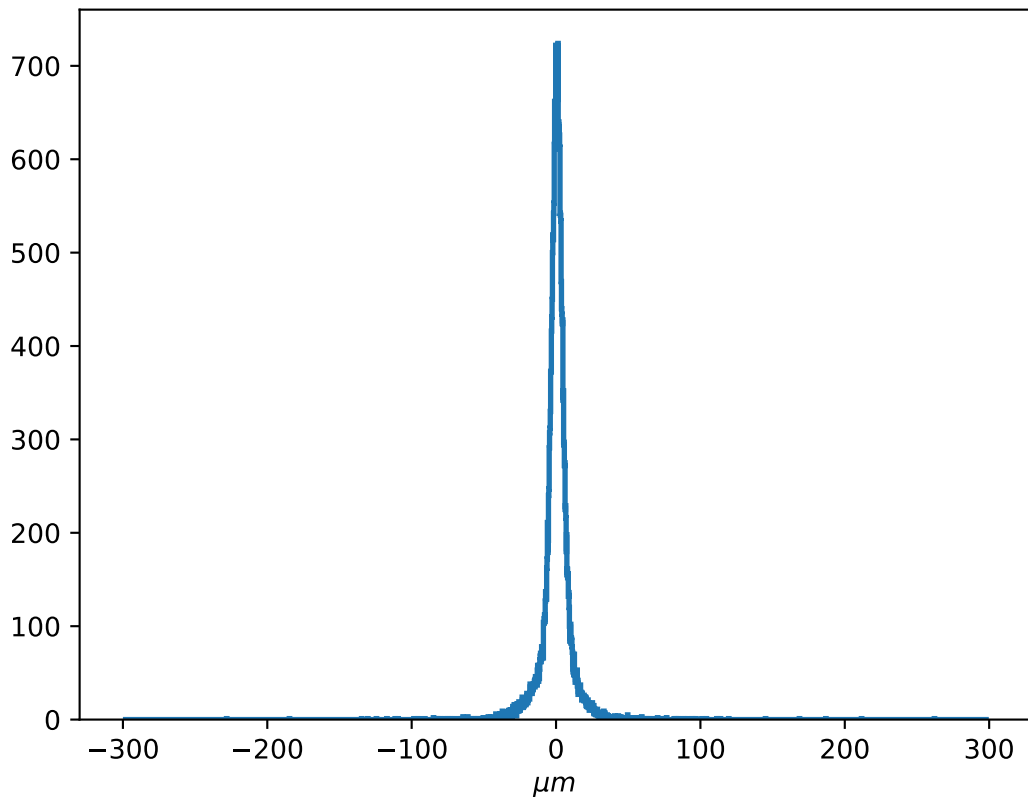residuals in x for clustersize = 1, $\sigma = 13.66$
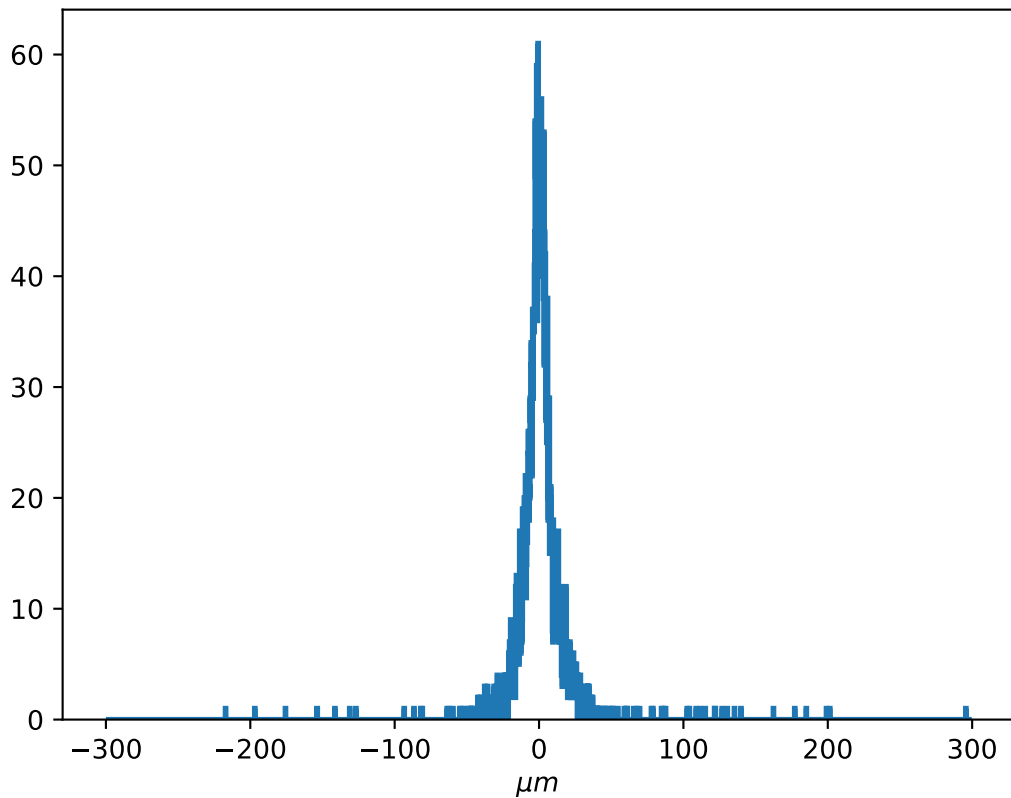
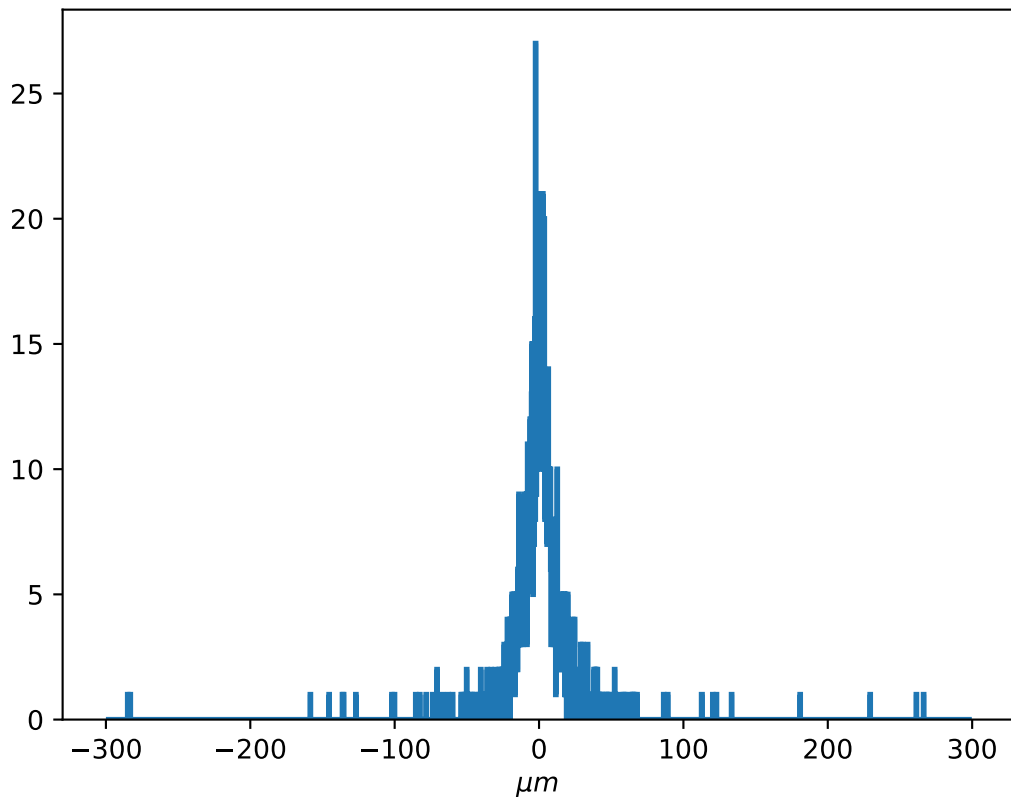residuals in x for clustersize = 2, σ = 7.66

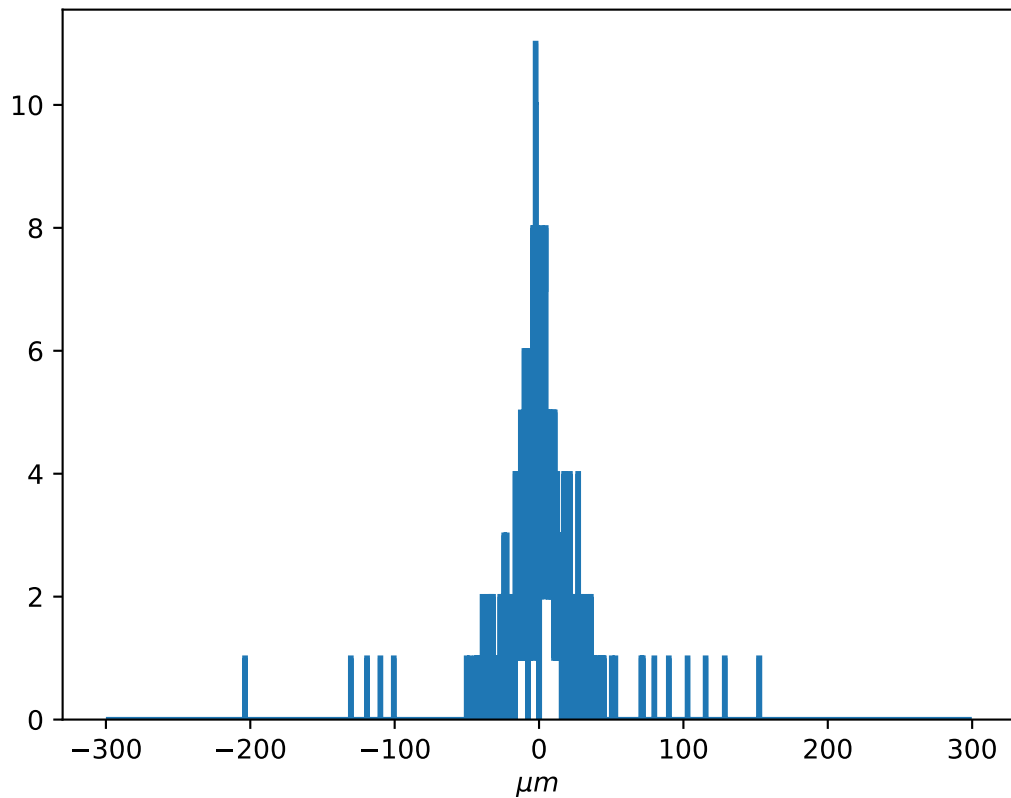residuals in x for clustersize = 3, $\sigma = 10.63$

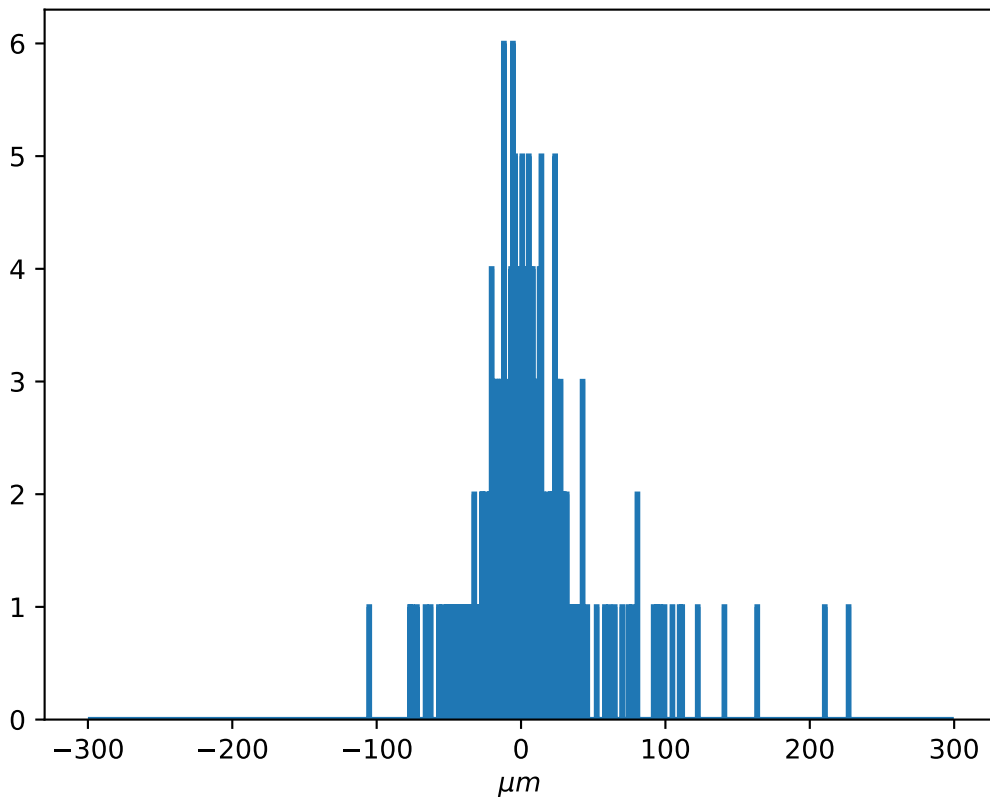residuals in x for clustersize = 4, $\sigma = 19.30$
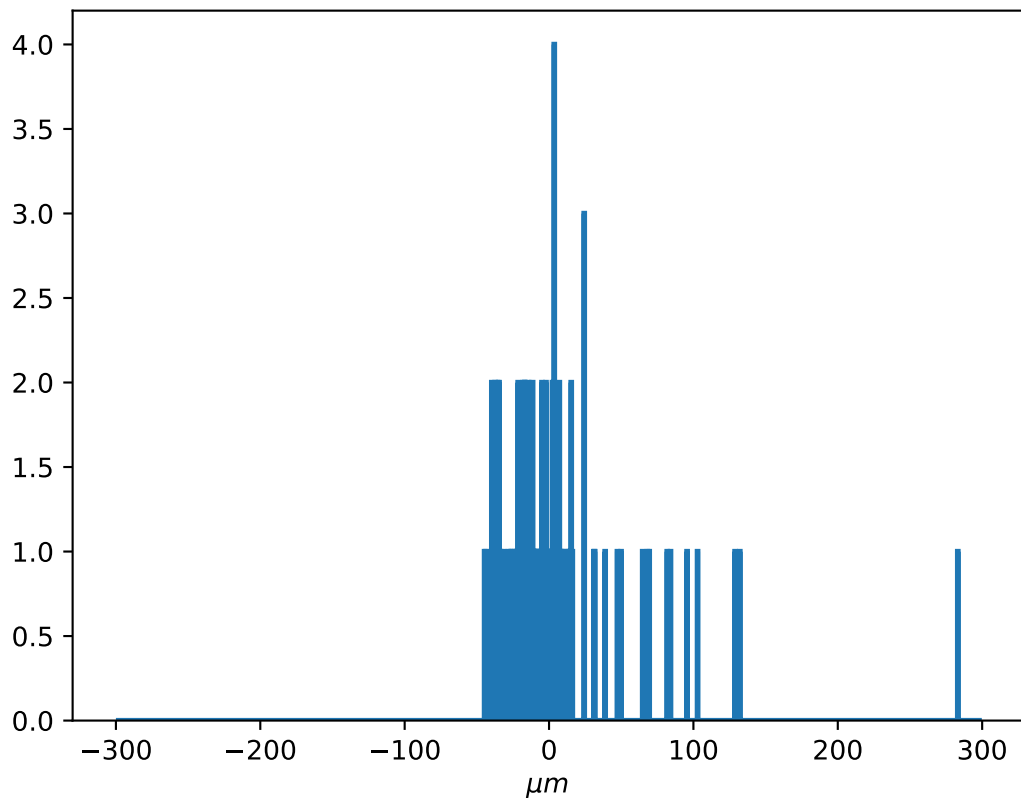
residuals in x for clustersize = 5, $\sigma = 27.77$

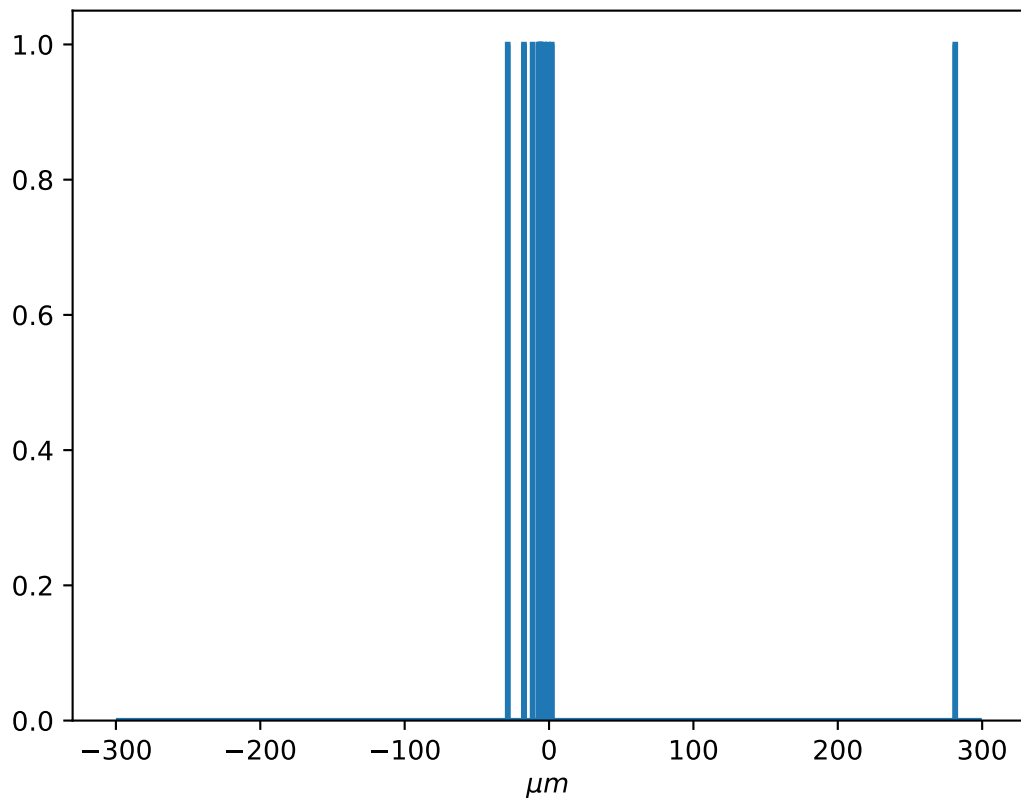residuals in x for clustersize = 6, $\sigma = 34.57$

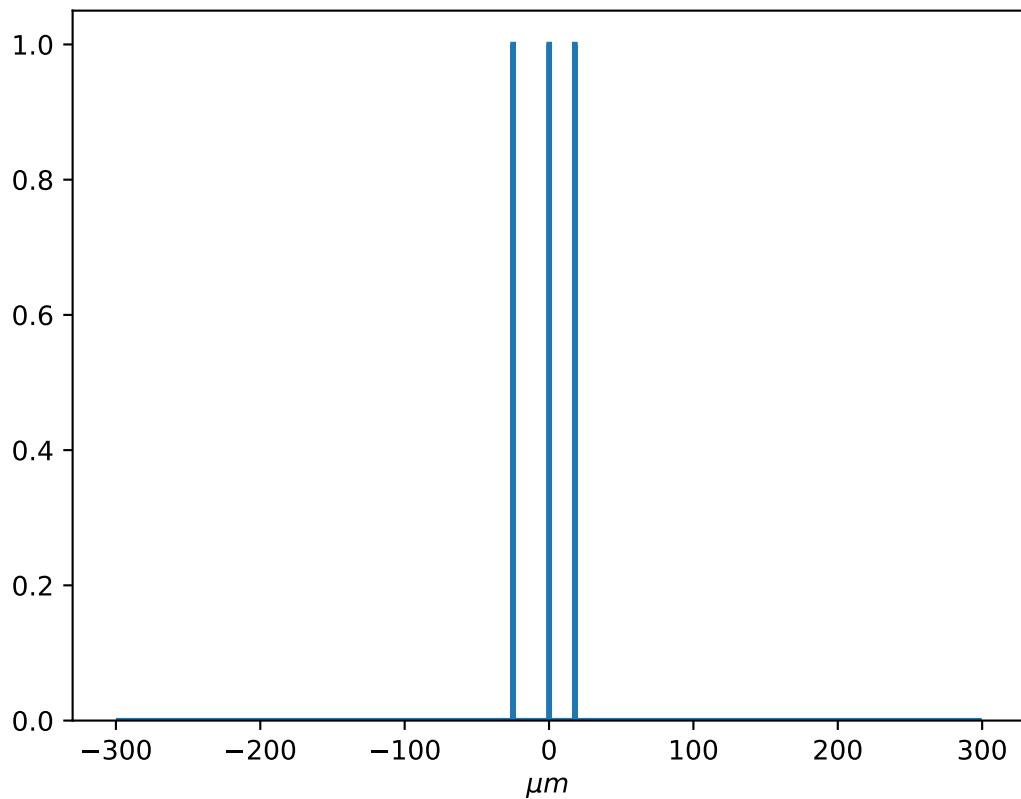residuals in x for clustersize = 7, $\sigma = 49.36$

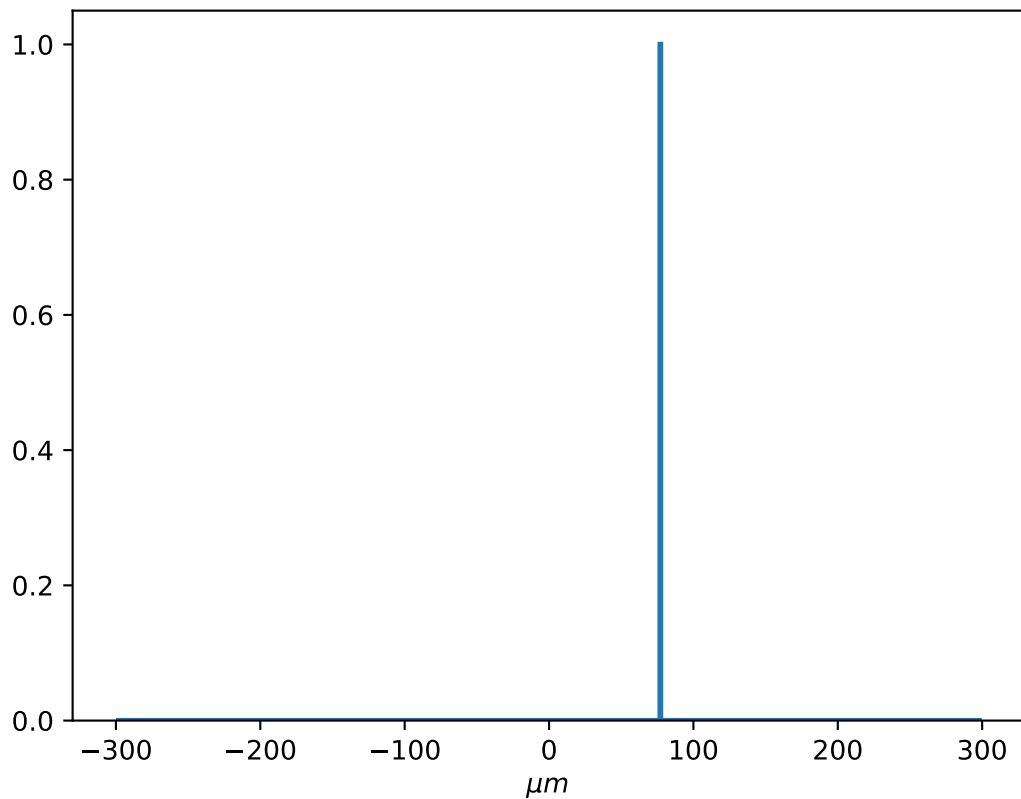residuals in x for clustersize = 8, σ = 50.61

residuals in x for clustersize = 9, $\sigma = 87.45$

residuals in x for clustersize = 10, σ = 17.51

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

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