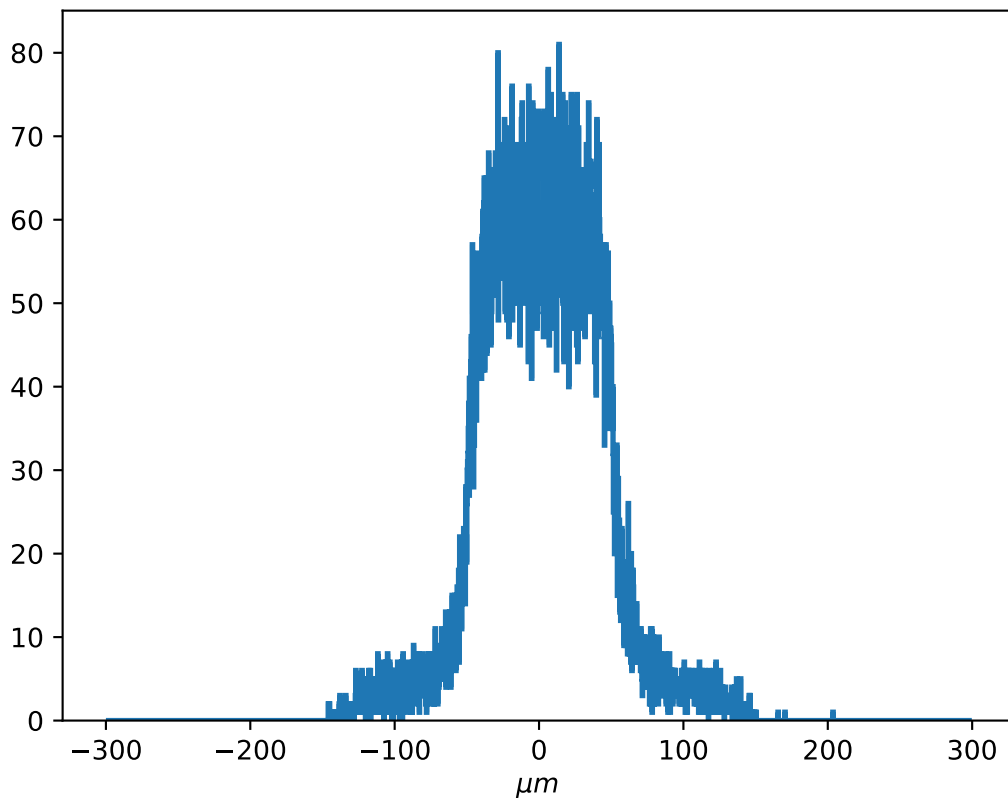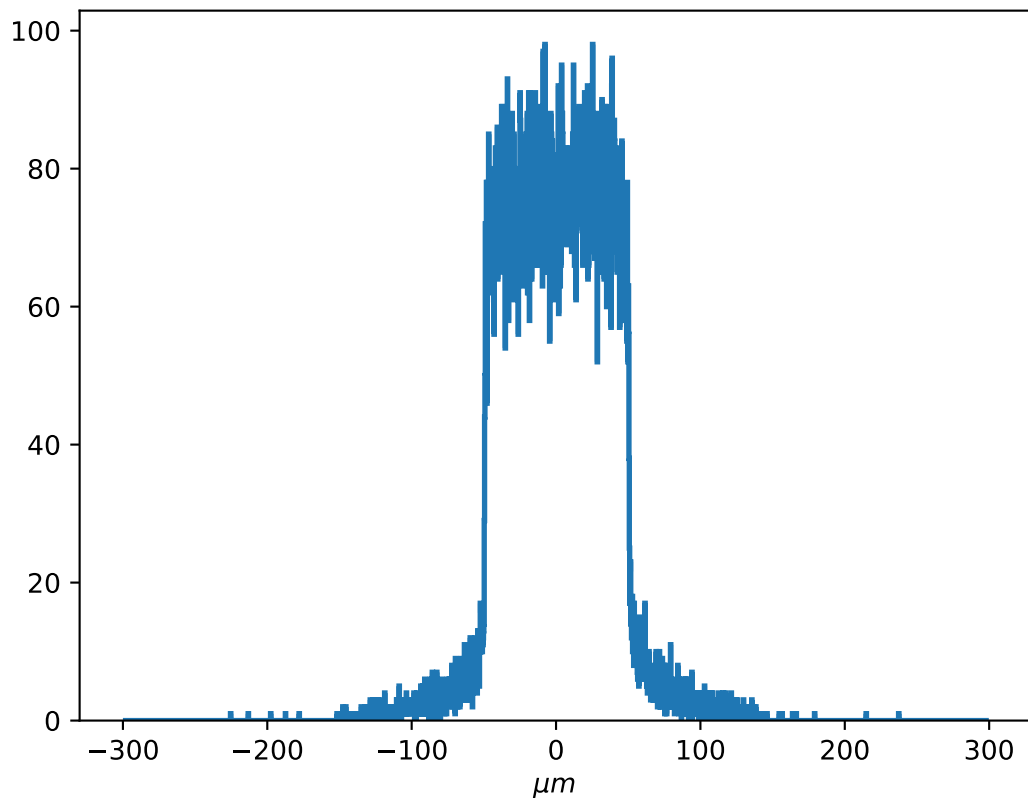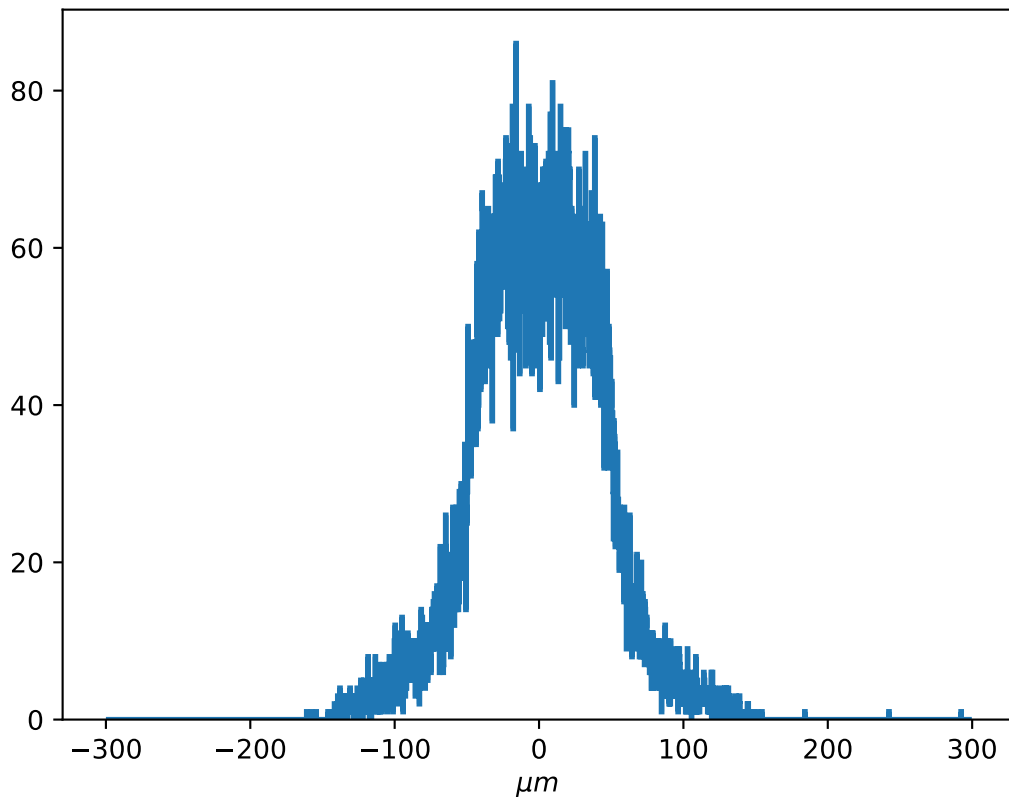residuals in y for clustersize = 1, $\sigma = 40.77$
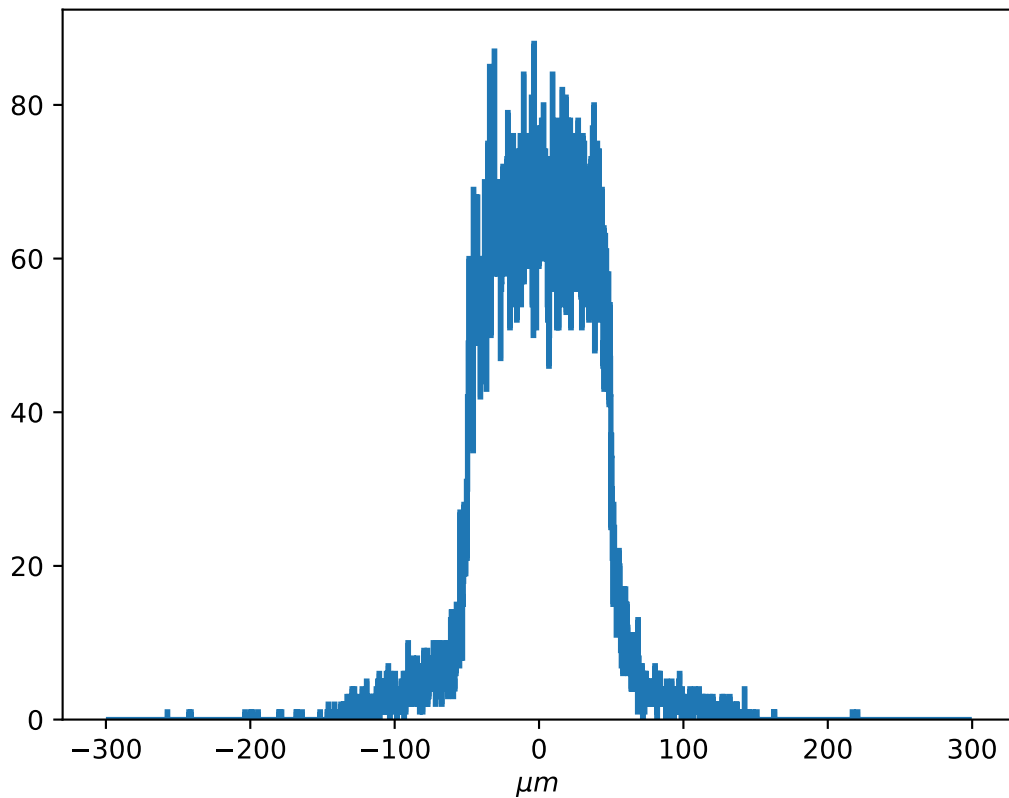
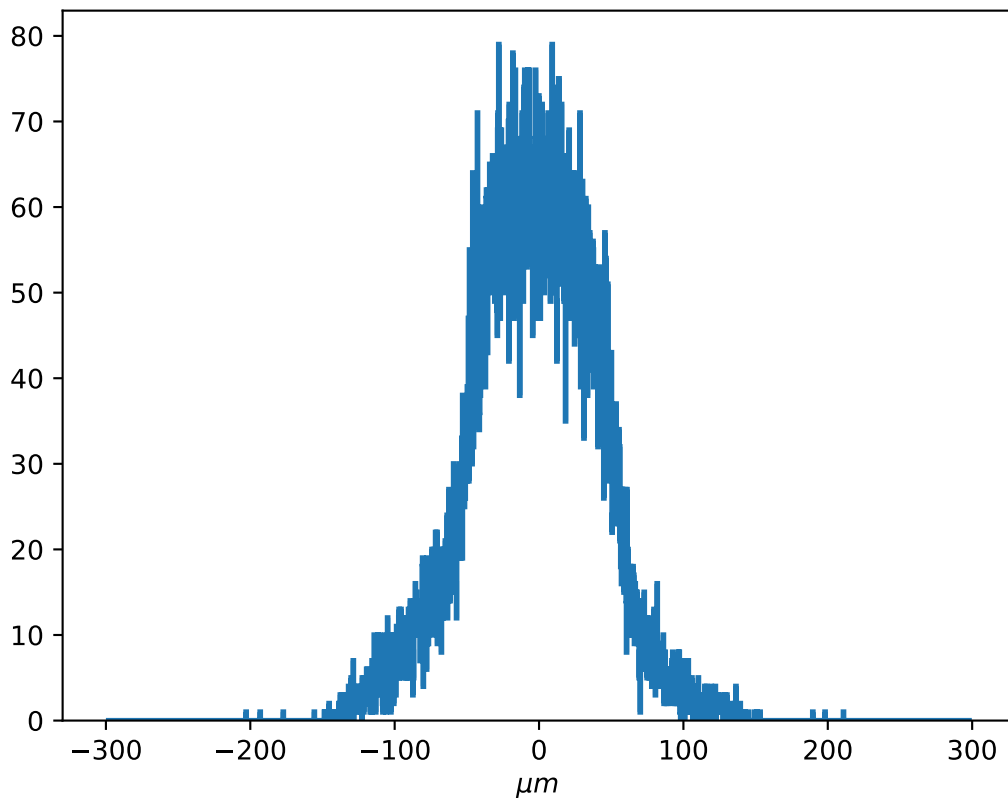residuals in y for clustersize = 2, $\sigma = 35.10$

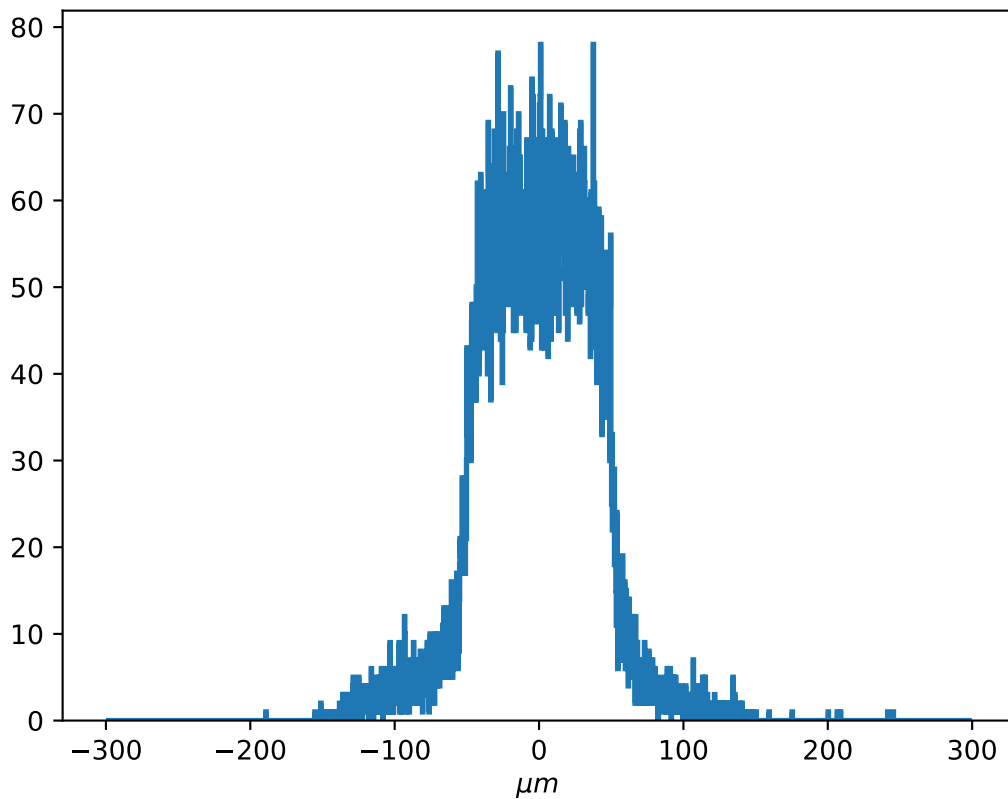residuals in y for clustersize = 3, σ = 42.93

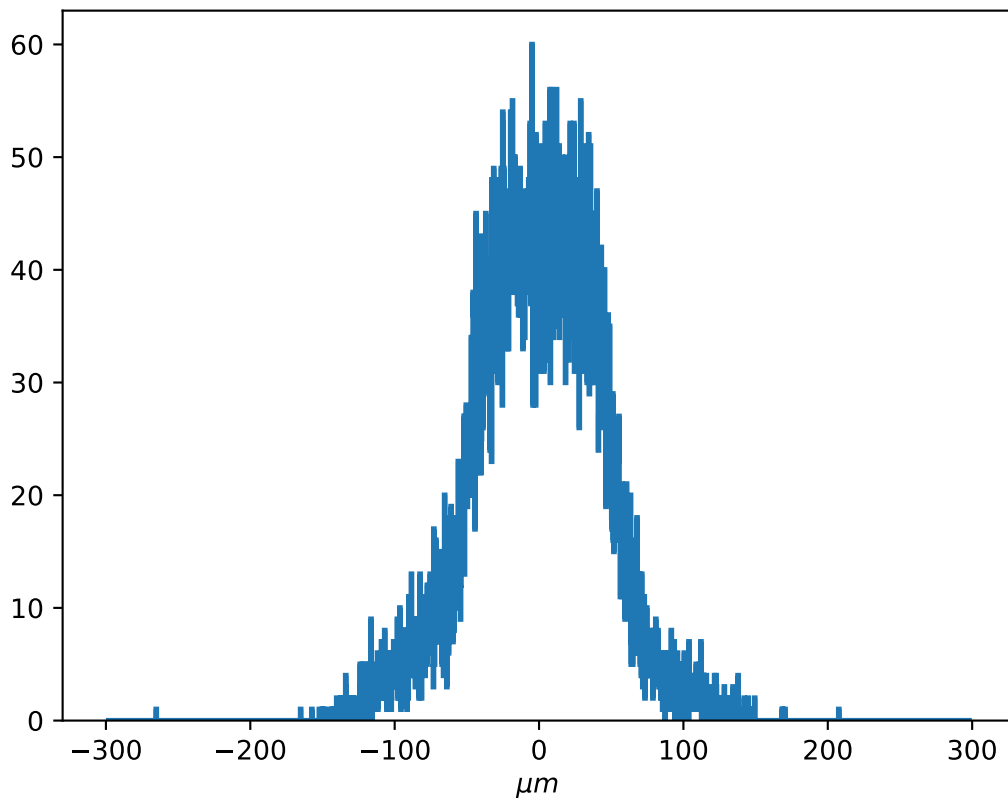residuals in y for clustersize = 4, $\sigma = 37.31$
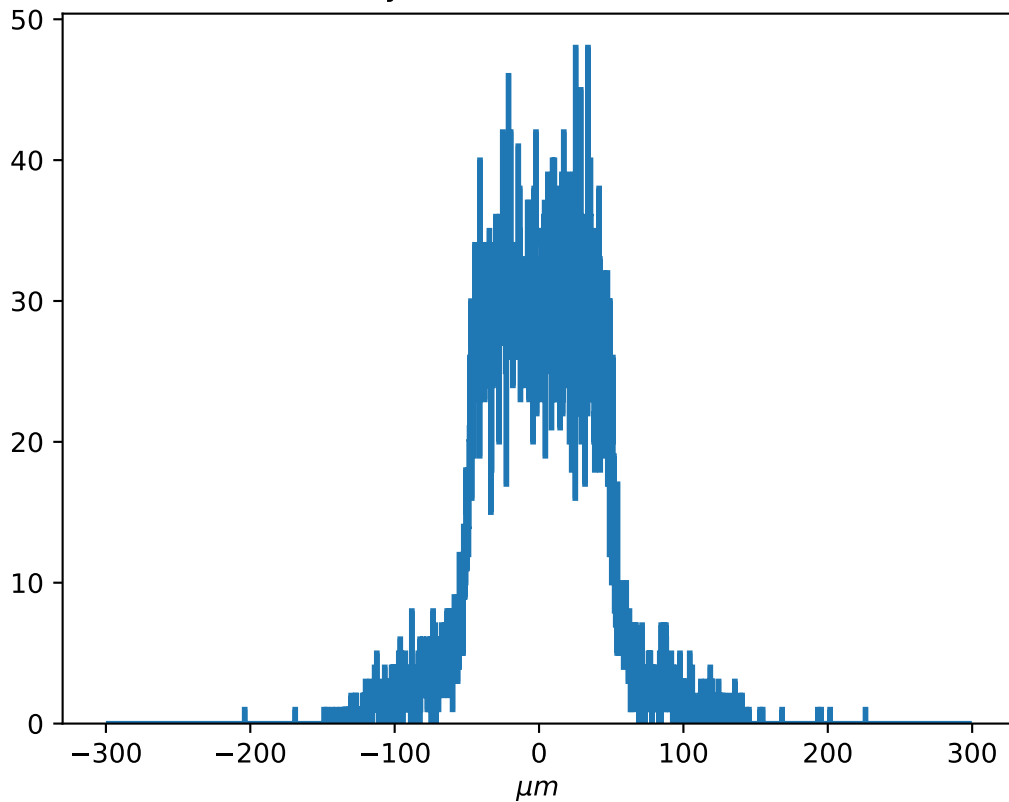
residuals in y for clustersize = 5, $\sigma = 43.76$

residuals in y for clustersize = 6, $\sigma = 38.96$

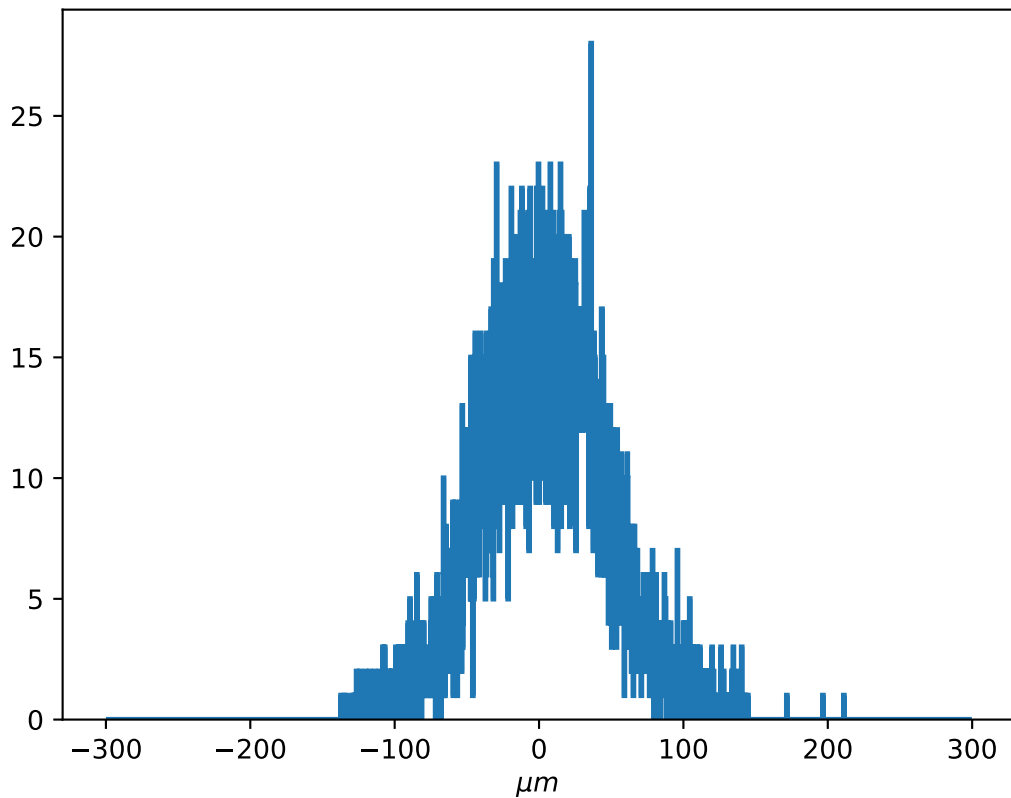residuals in y for clustersize = 7, σ = 43.79

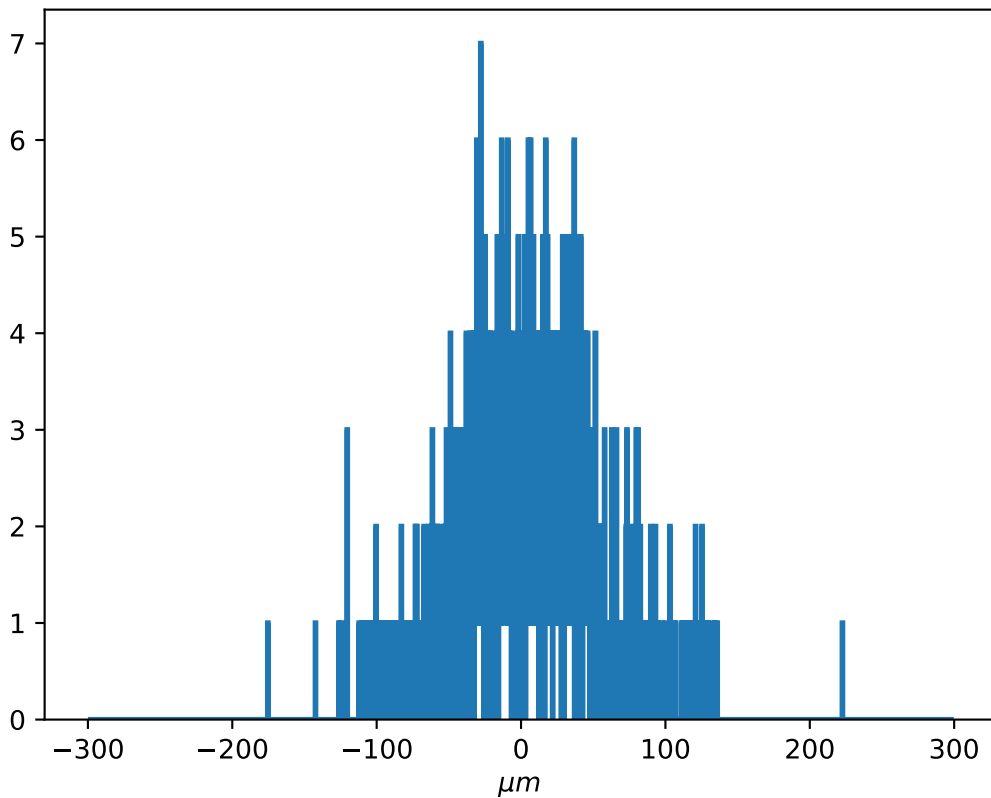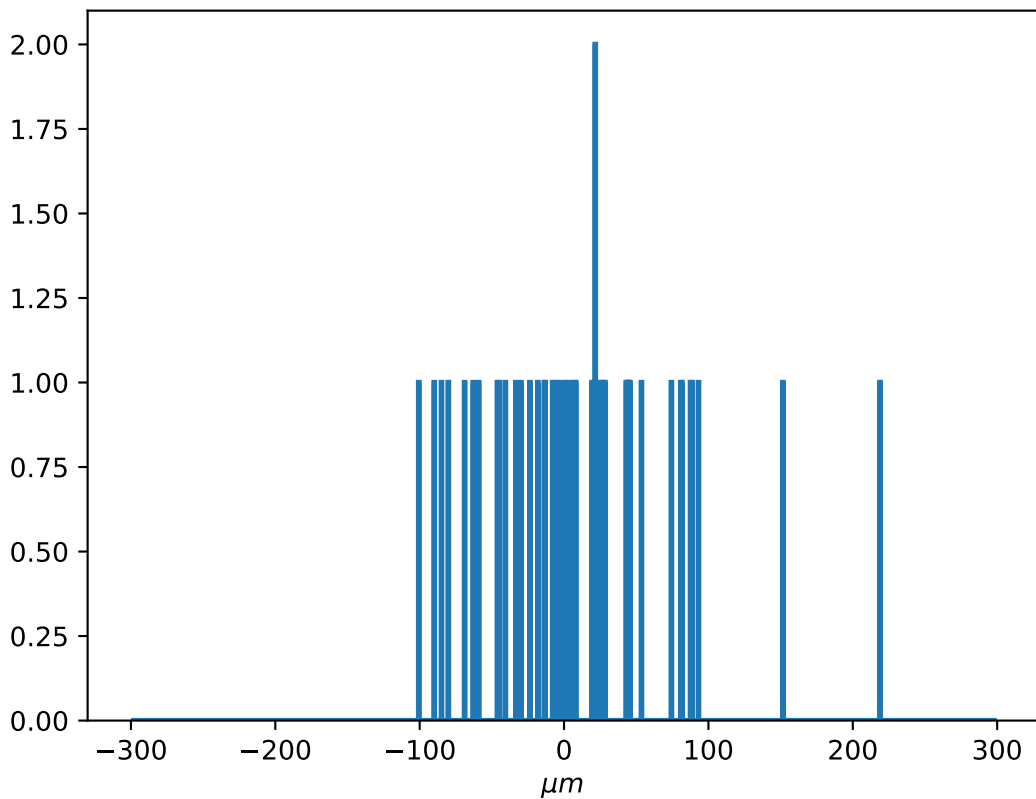residuals in y for clustersize = 8, σ = 39.76

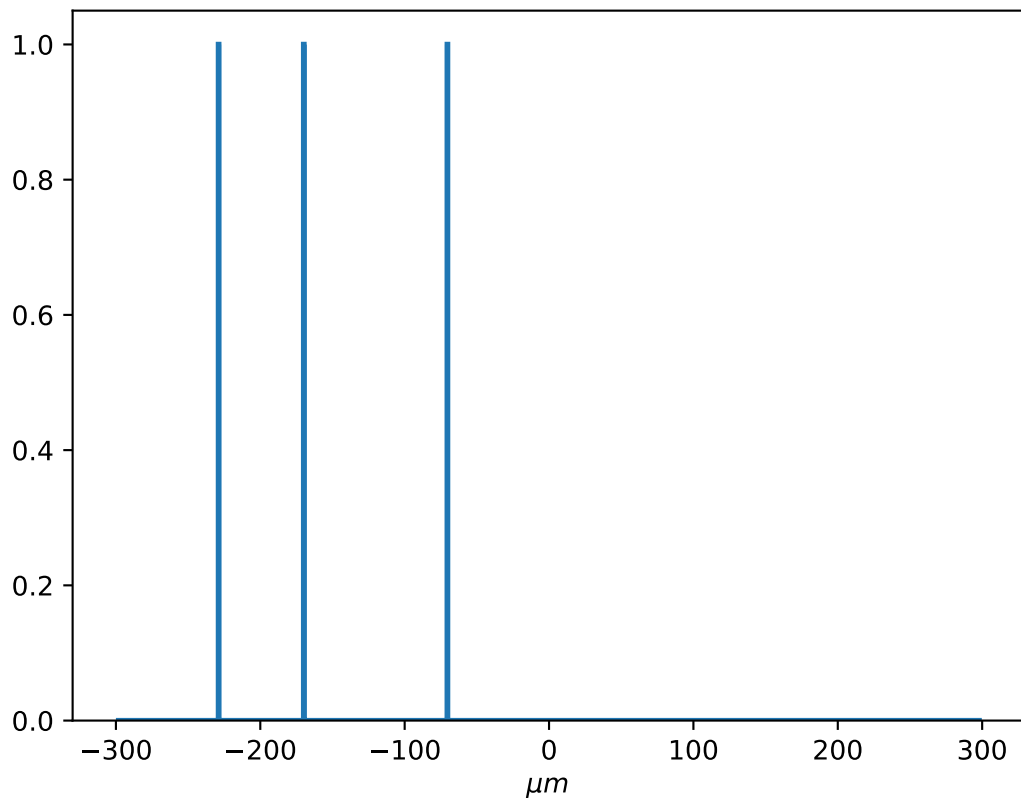residuals in y for clustersize = 9, $\sigma = 43.90$

residuals in y for clustersize = 10, $\sigma = 47.28$

residuals in y for clustersize = 11, $\sigma = 64.88$

residuals in y for clustersize = 12, $\sigma = 65.36$

residuals in y for clustersize = 13, σ = 0.00