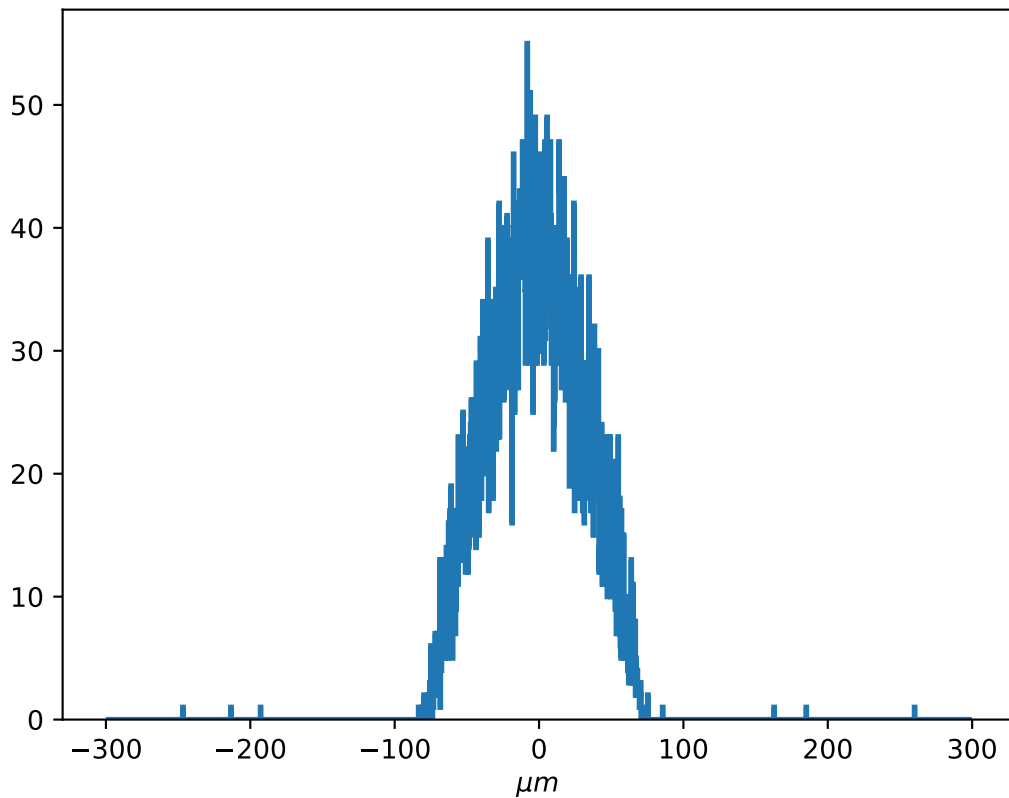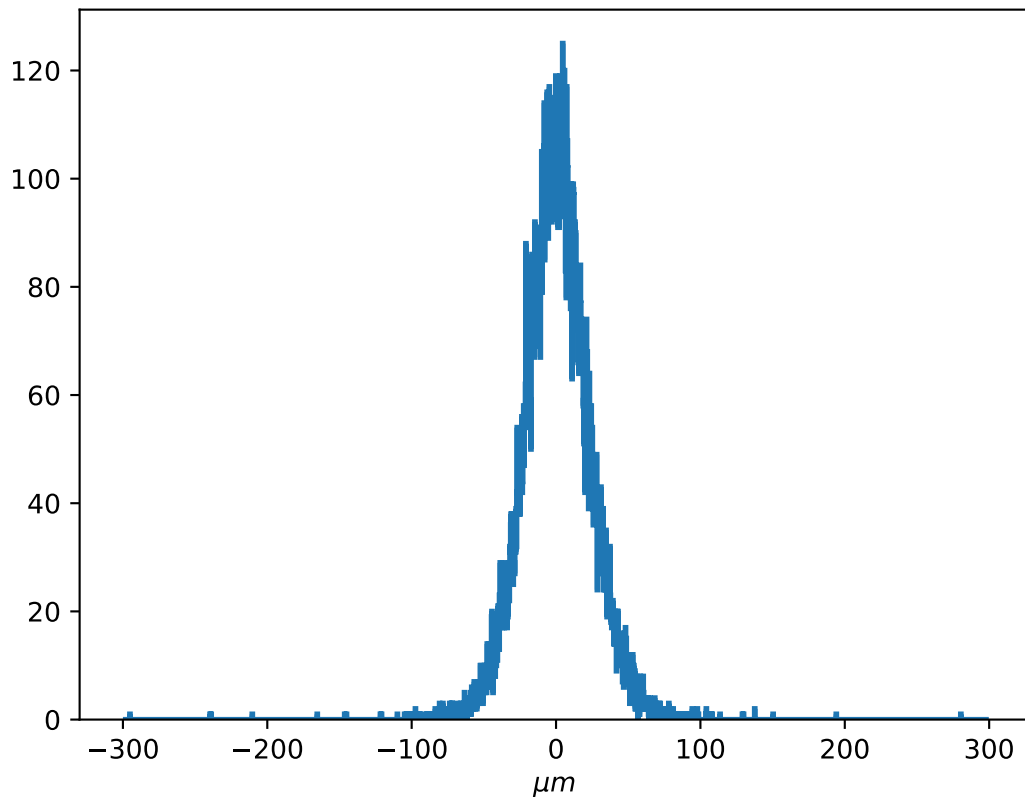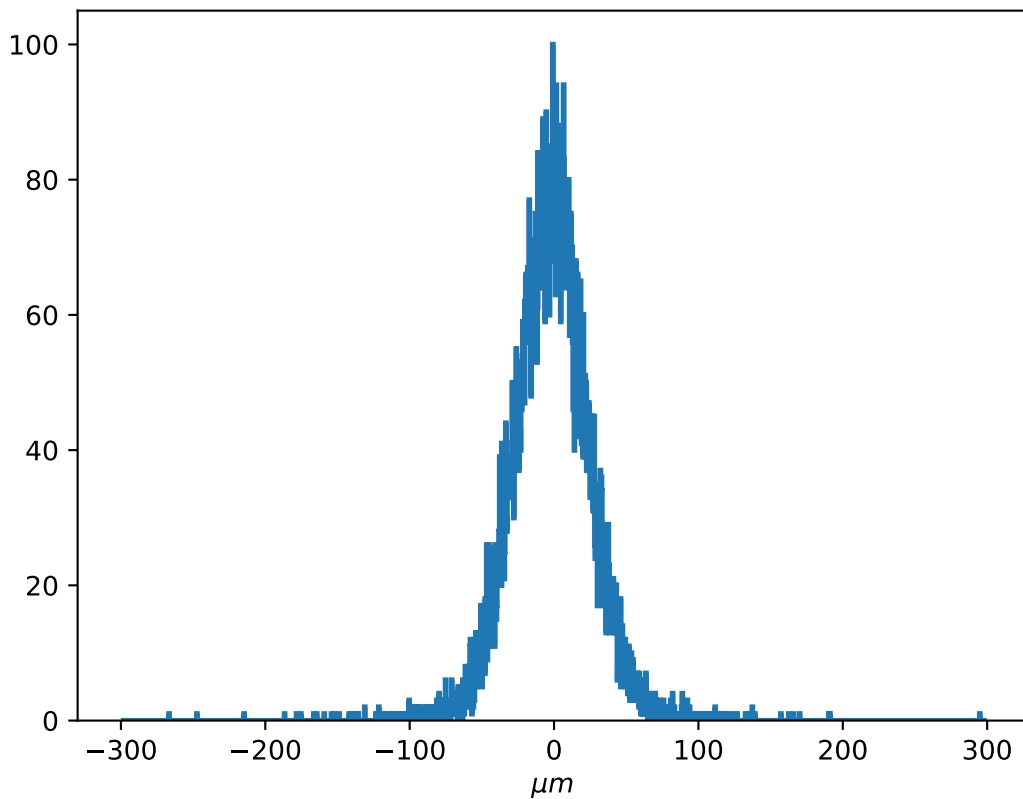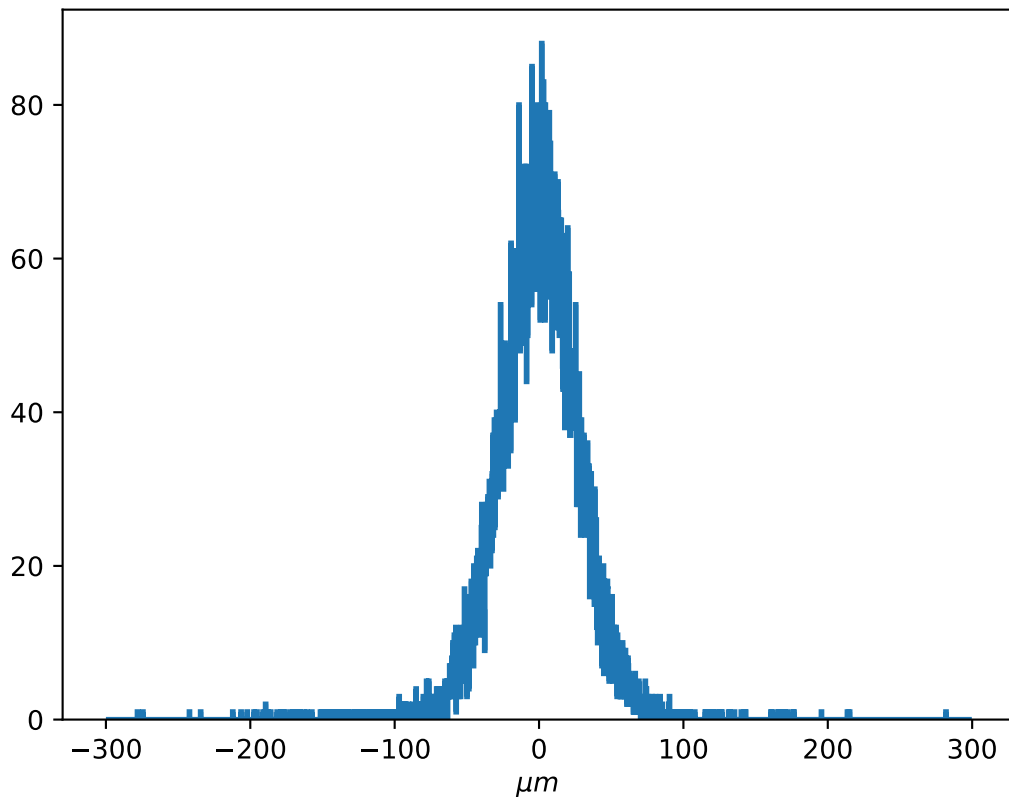residuals in y for clustersize = 1, $\sigma = 157.89$

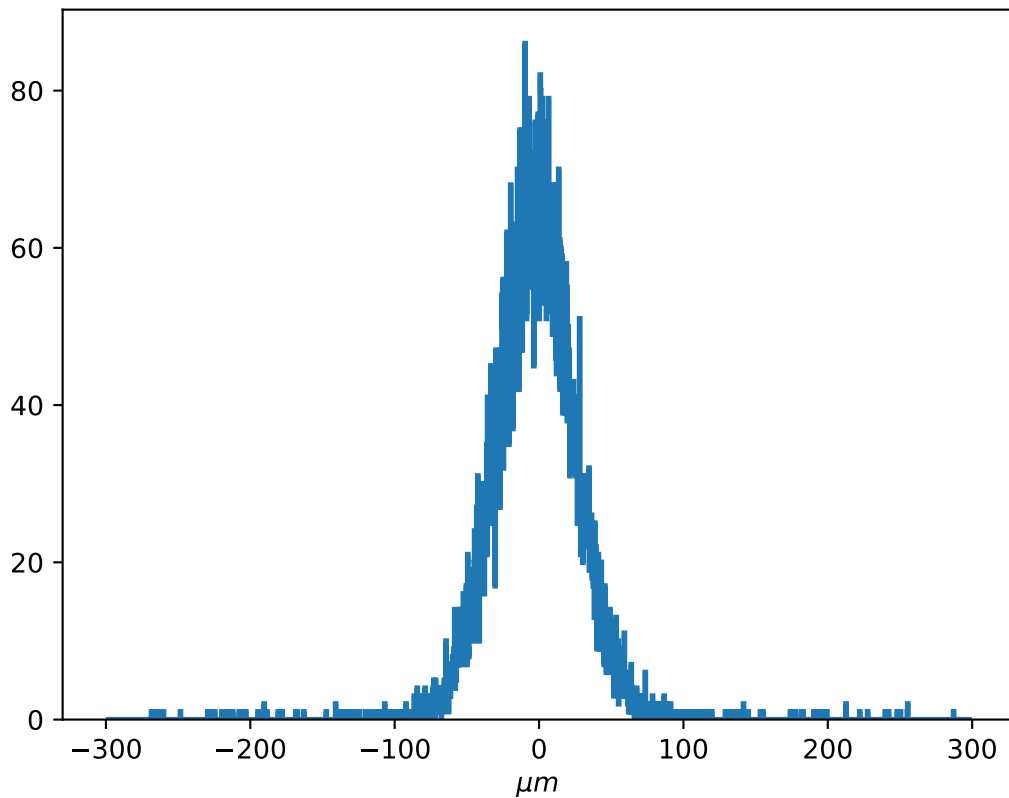residuals in y for clustersize = 2, $\sigma = 137.18$

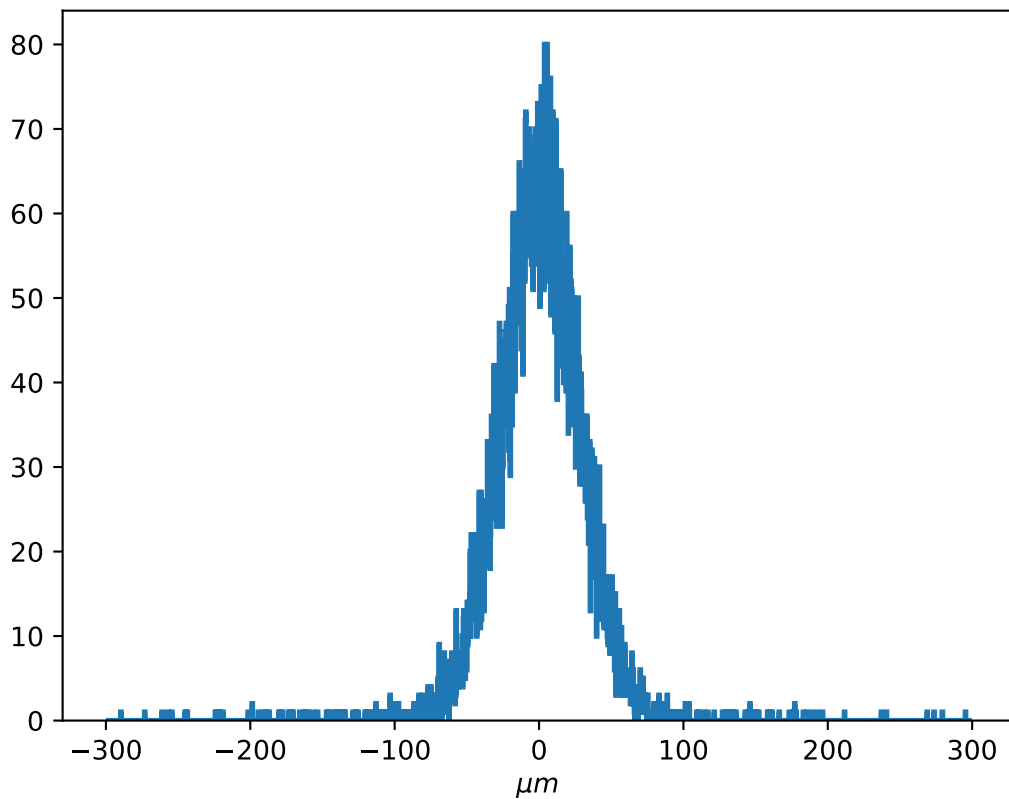residuals in y for clustersize = 3, $\sigma = 177.15$

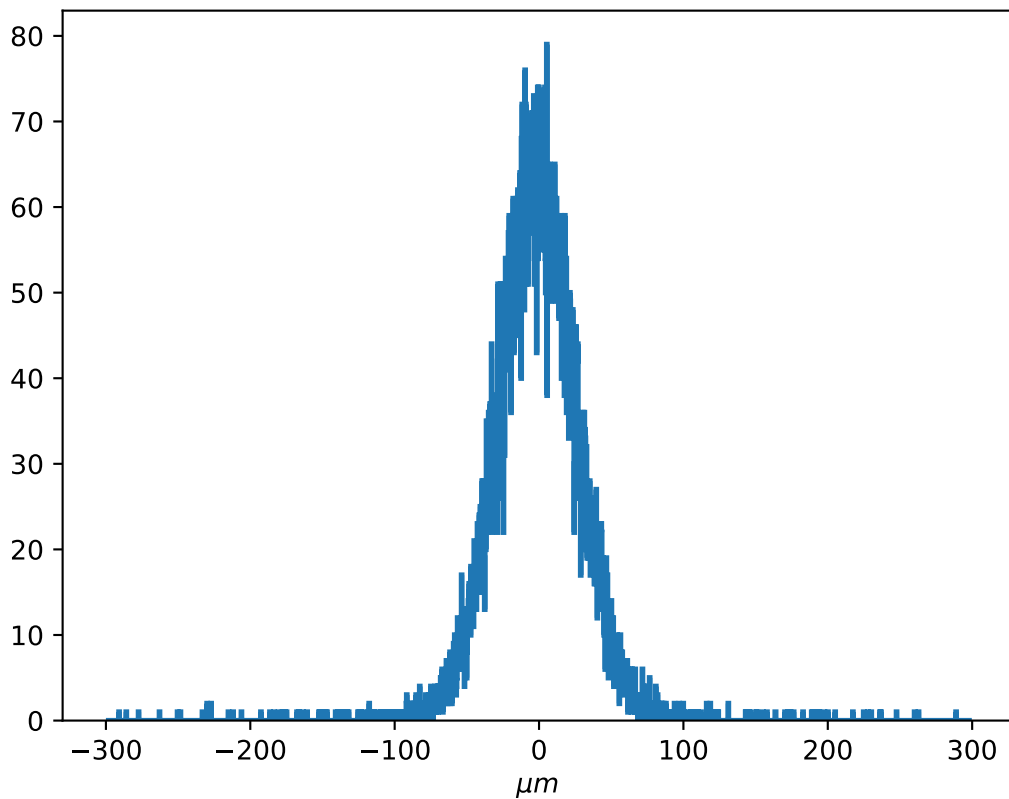residuals in y for clustersize = 4, $\sigma = 71.10$

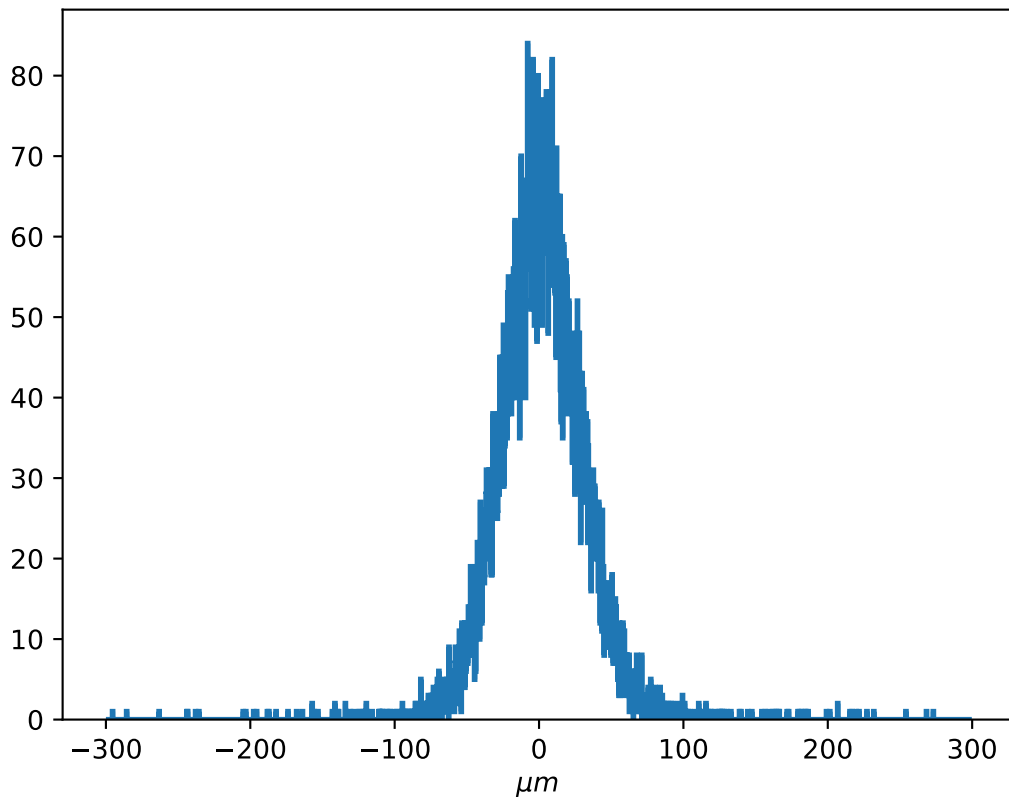residuals in y for clustersize = 5, $\sigma = 65.15$
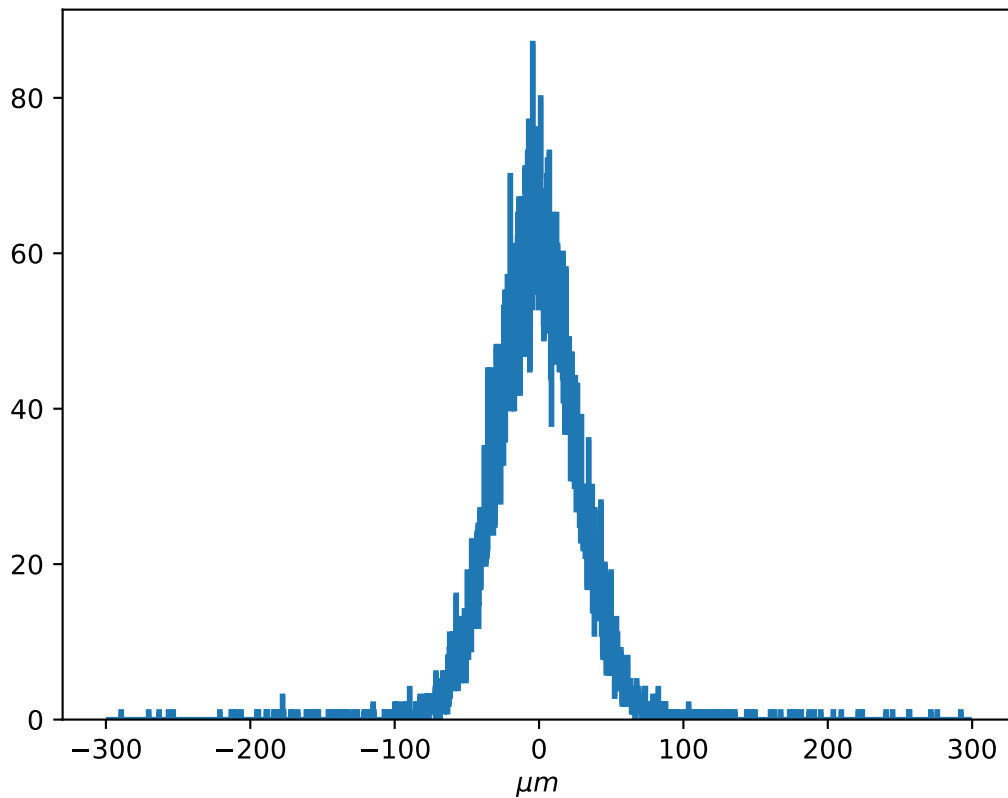
residuals in y for clustersize = 6, $\sigma = 63.52$

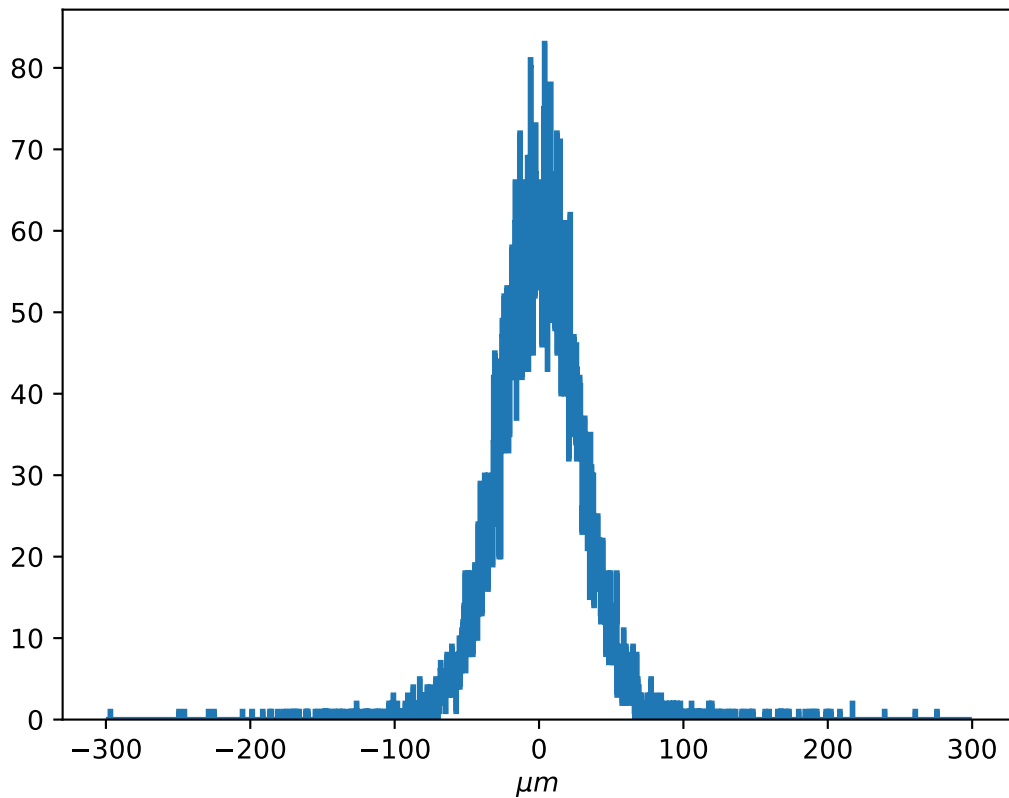residuals in y for clustersize = 7, $\sigma = 38.76$

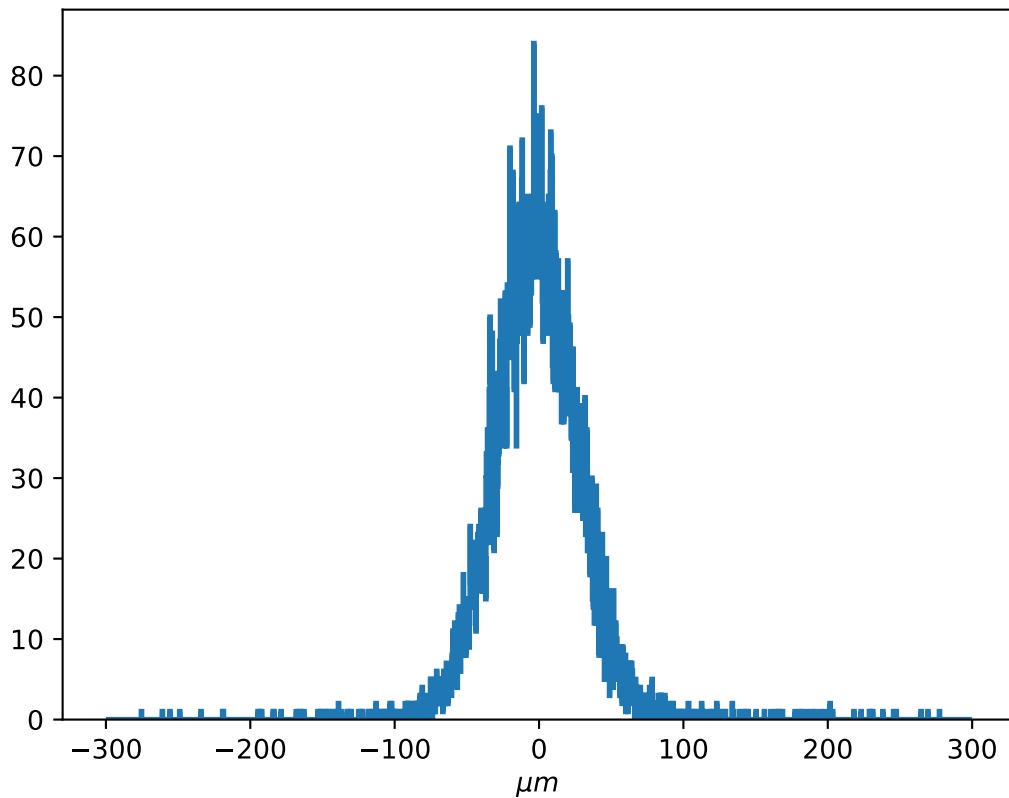residuals in y for clustersize = 8, $\sigma = 37.02$

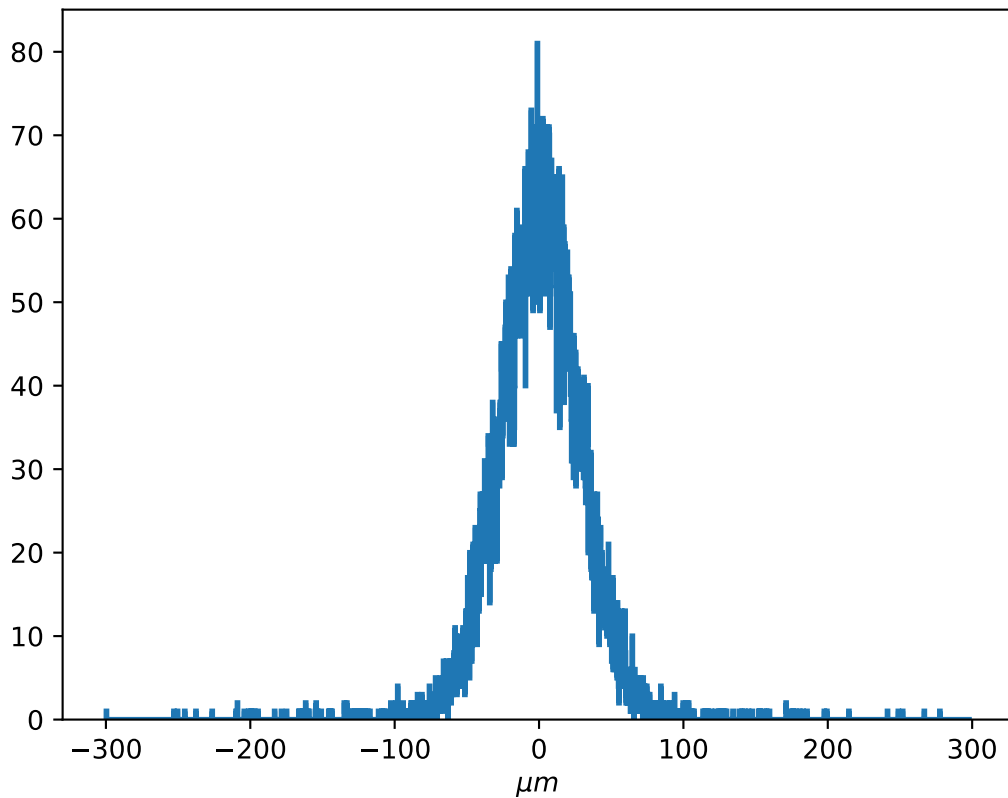residuals in y for clustersize = 9, σ = 37.93

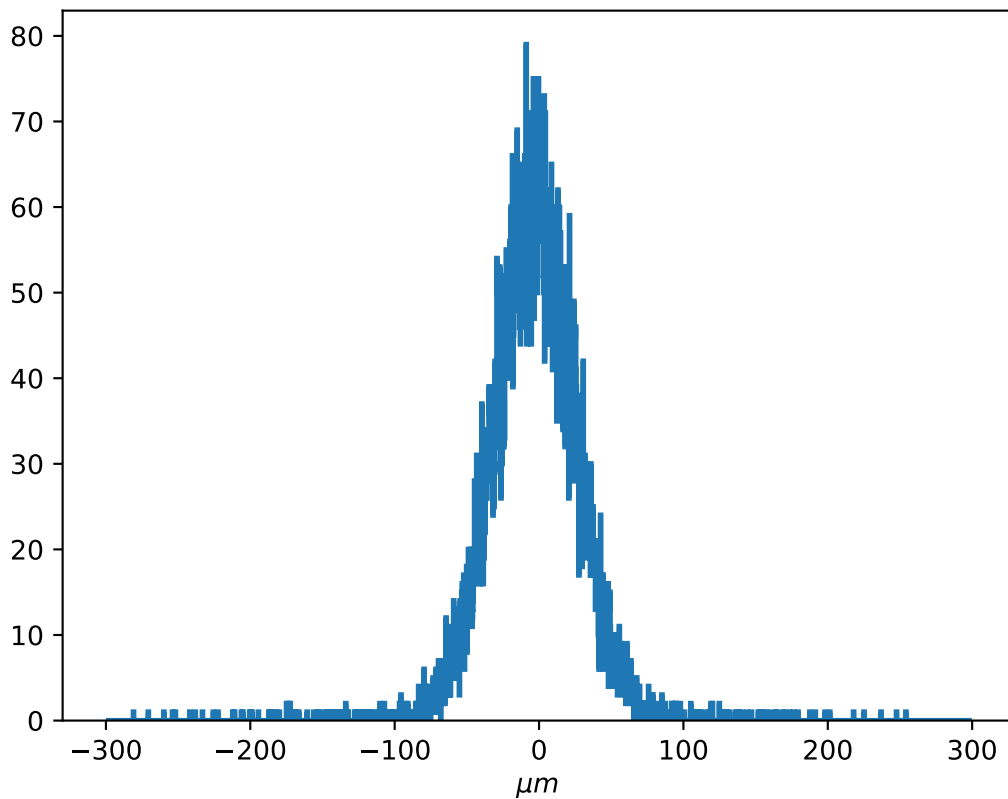residuals in y for clustersize = 10, σ = 33.95

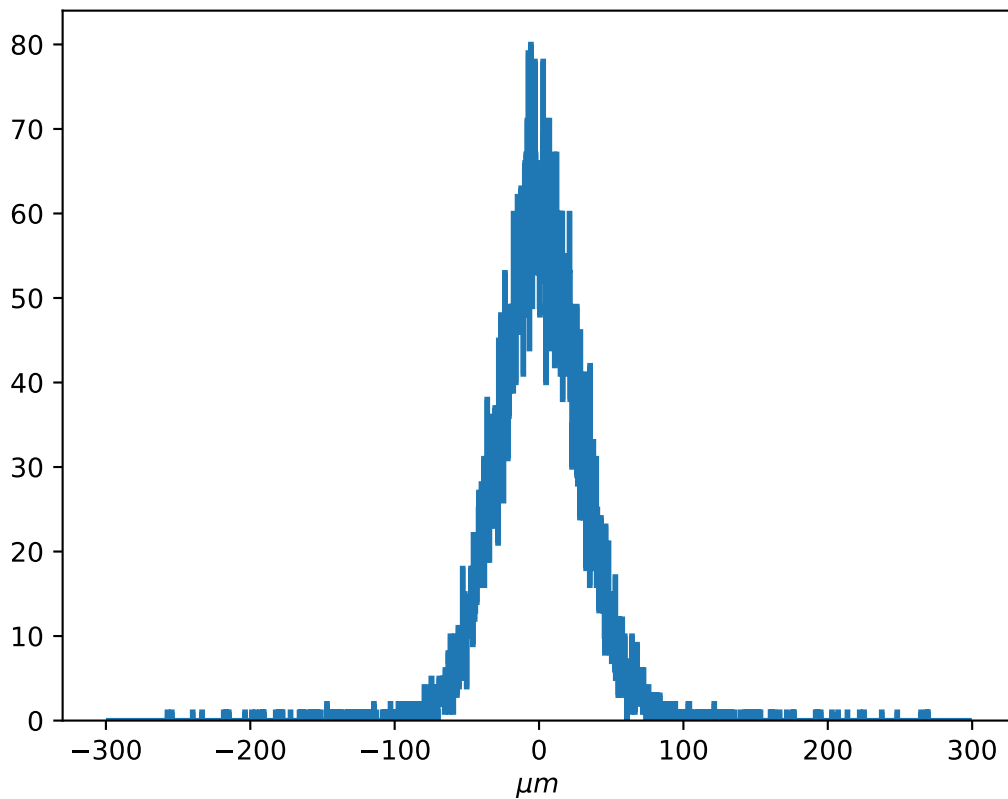residuals in y for clustersize = 11, σ = 34.13

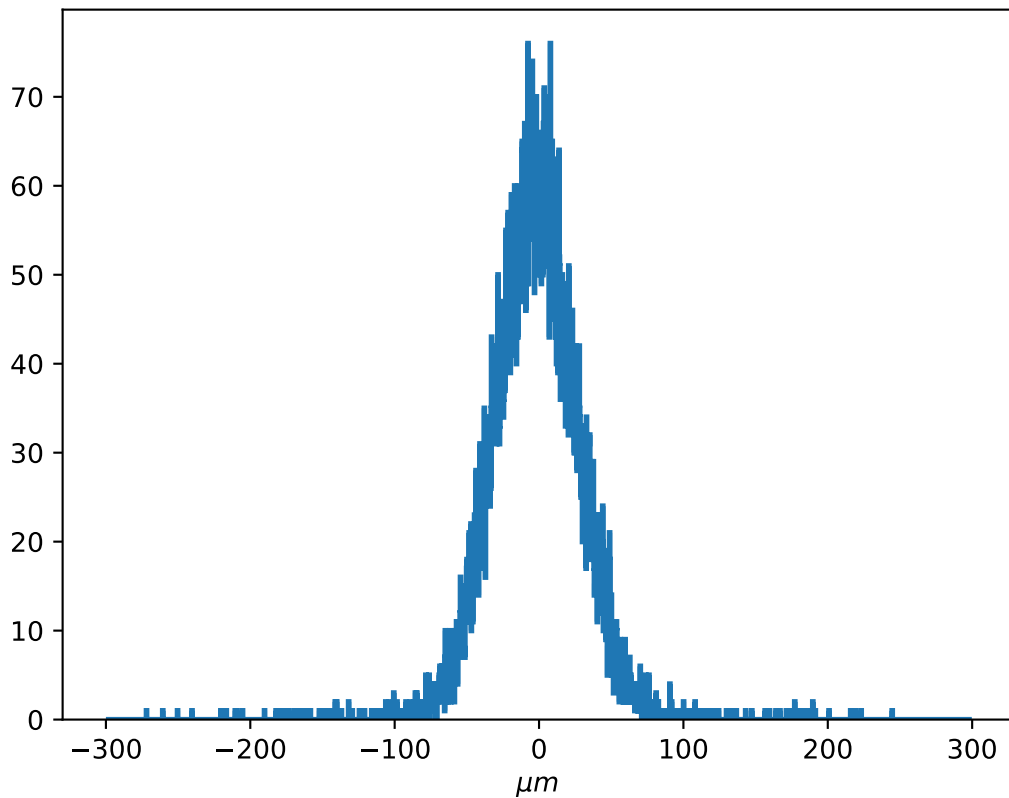residuals in y for clustersize = 12, $\sigma = 32.29$

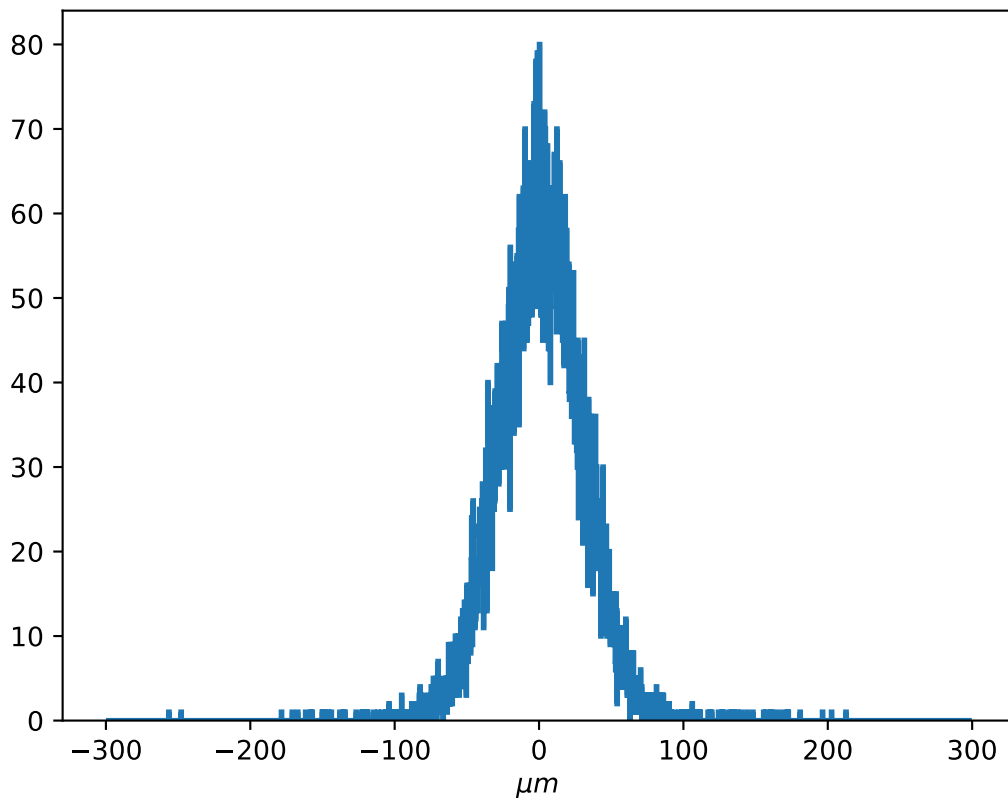residuals in y for clustersize = 13, $\sigma = 33.85$

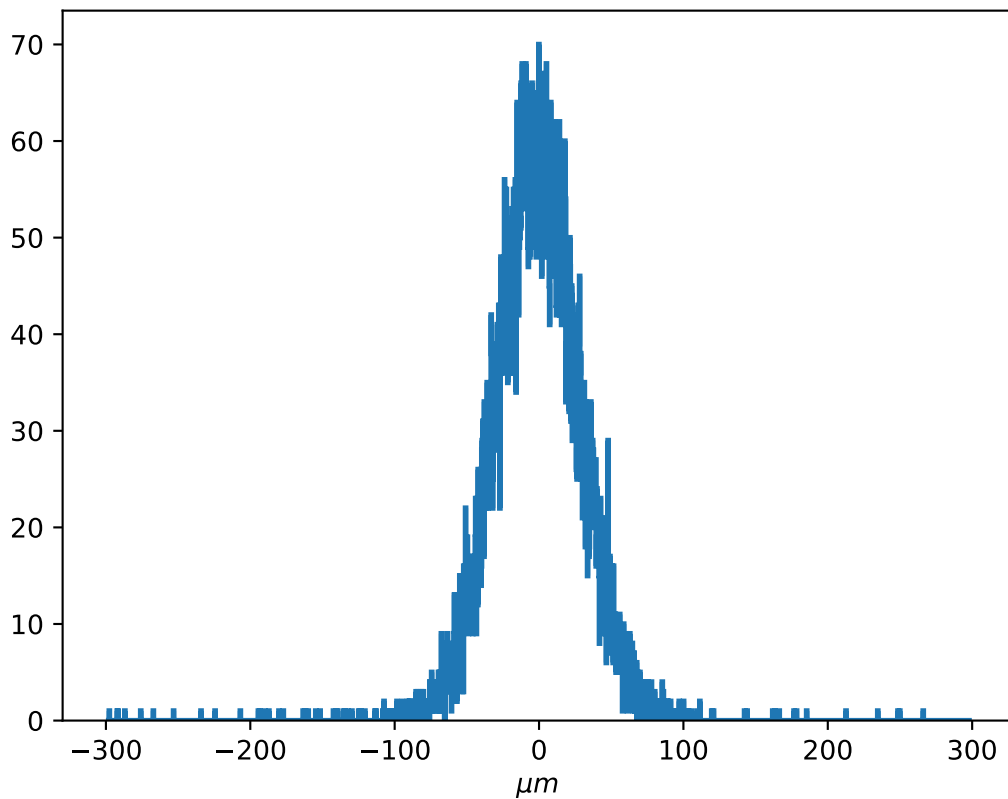residuals in y for clustersize = 14, $\sigma = 32.60$

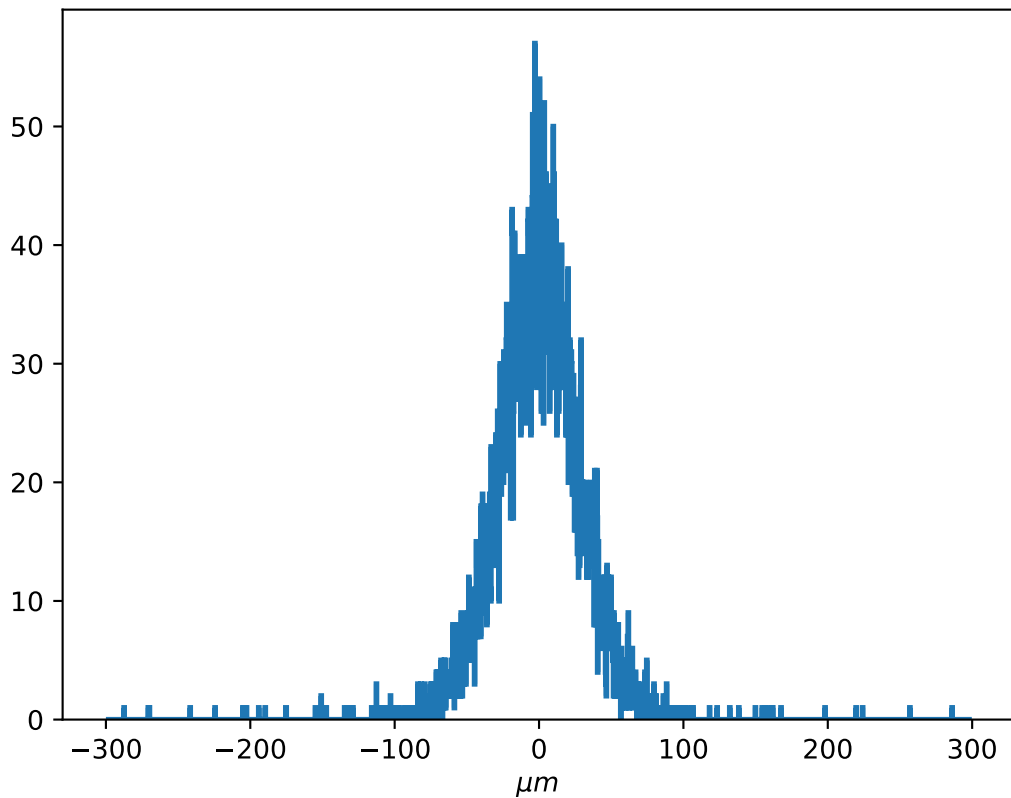residuals in y for clustersize = 15, $\sigma = 32.51$

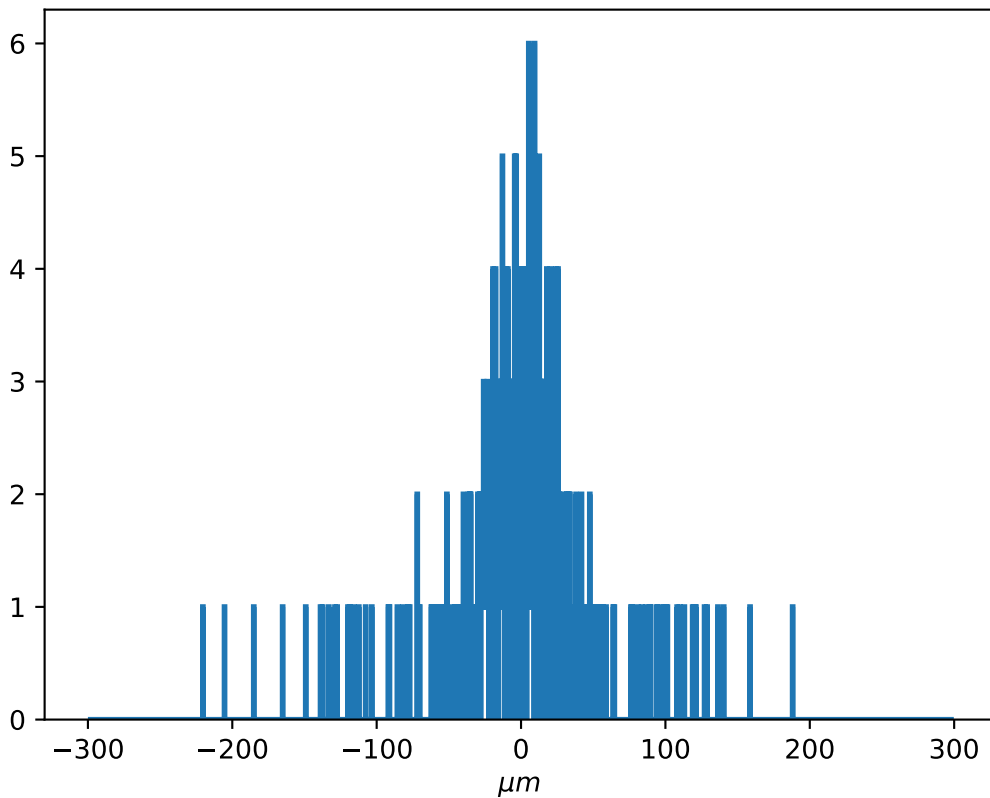residuals in y for clustersize = 16, σ = 35.69

residuals in y for clustersize = 17, σ = 31.47

residuals in y for clustersize = 18, $\sigma = 30.16$

residuals in y for clustersize = 19, σ = 42.97

residuals in y for clustersize = 20, $\sigma = 123.12$