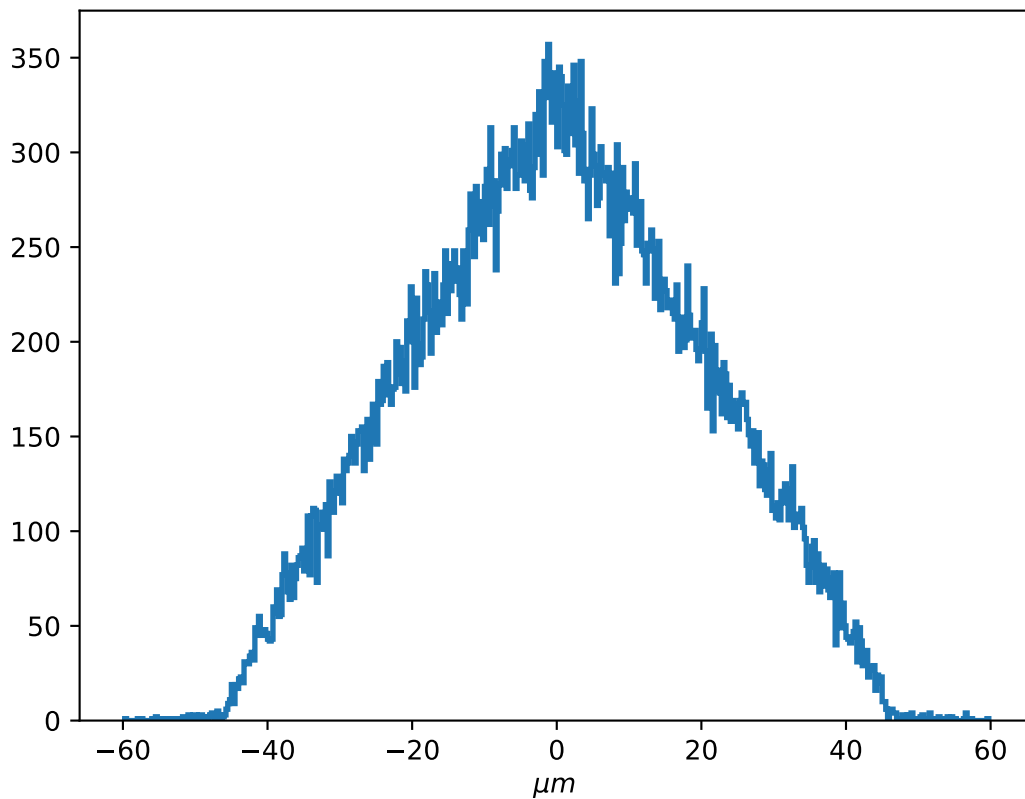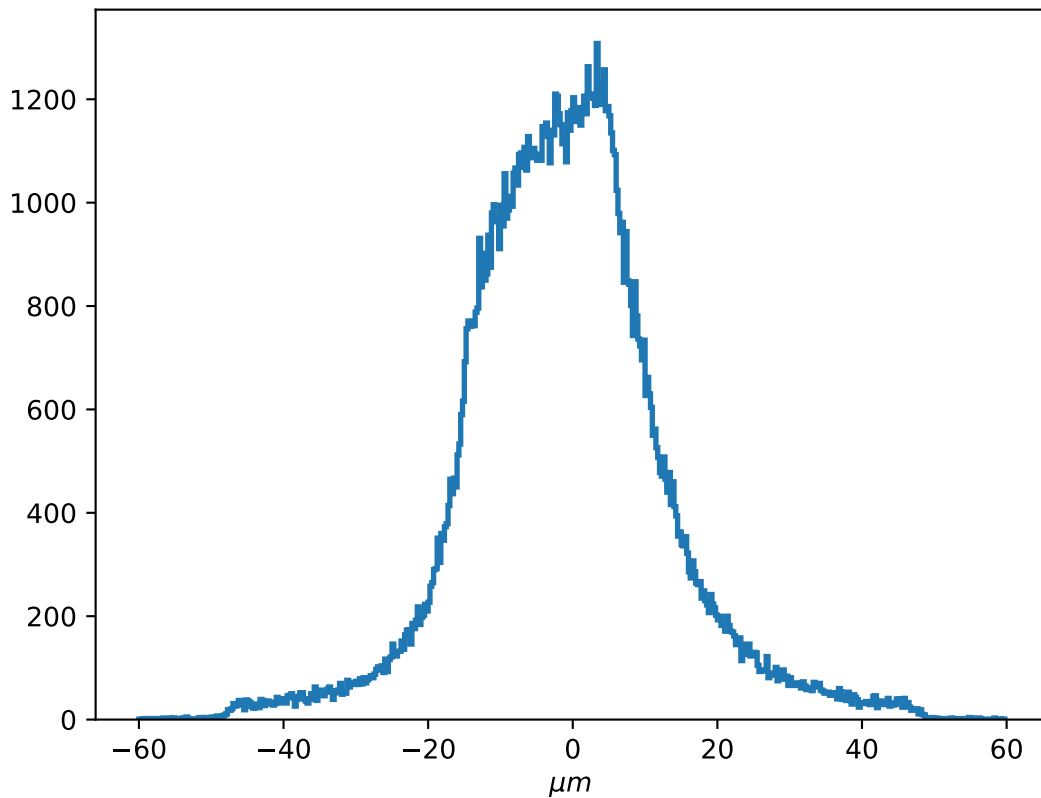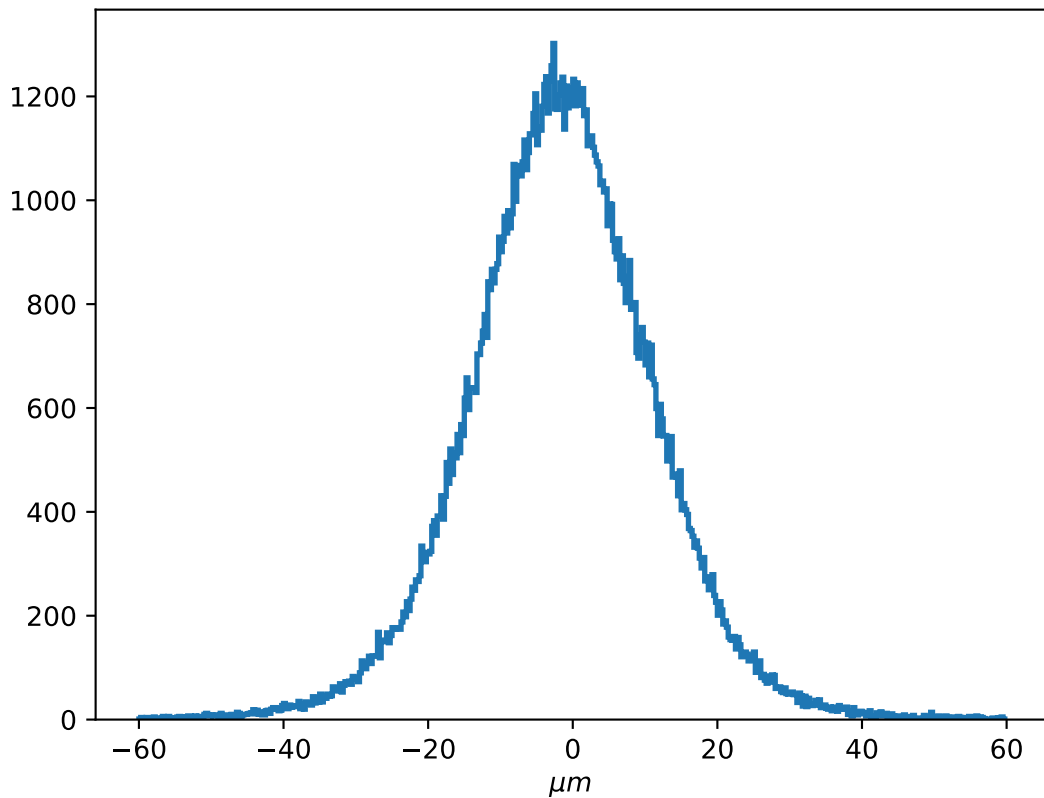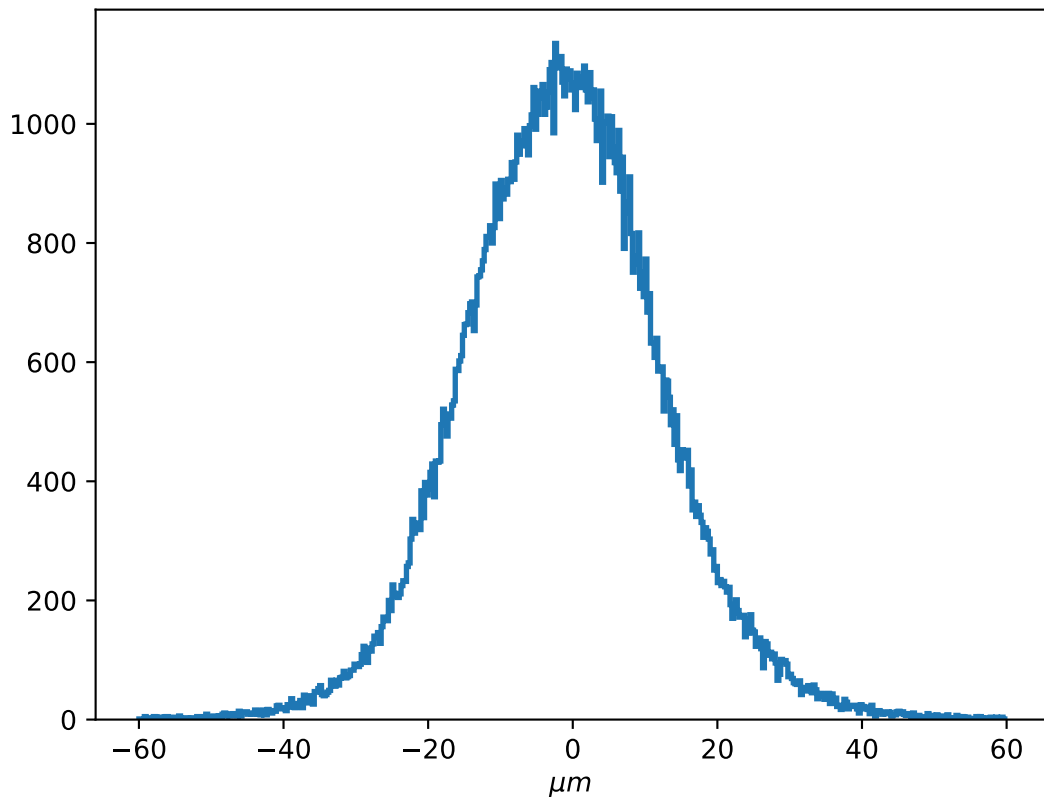residuals in y for clustersize = 1, $\sigma = 19.44$

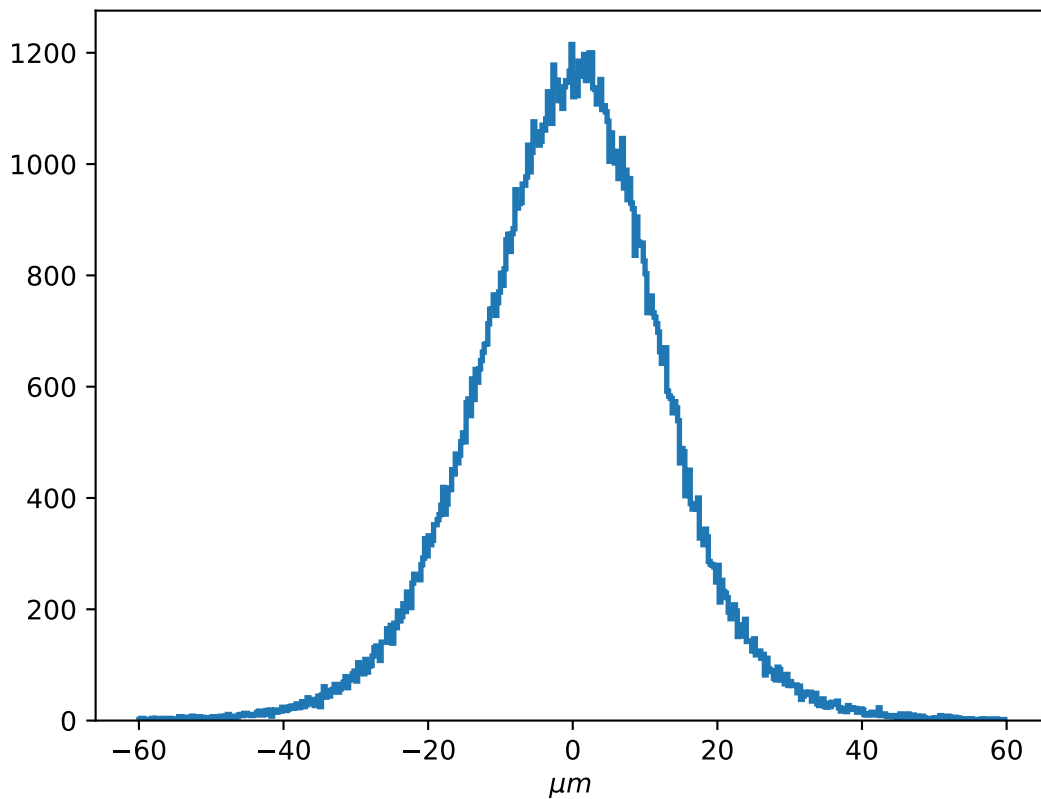residuals in y for clustersize = 2, $\sigma = 13.51$

residuals in y for clustersize = 3, $\sigma = 13.11$
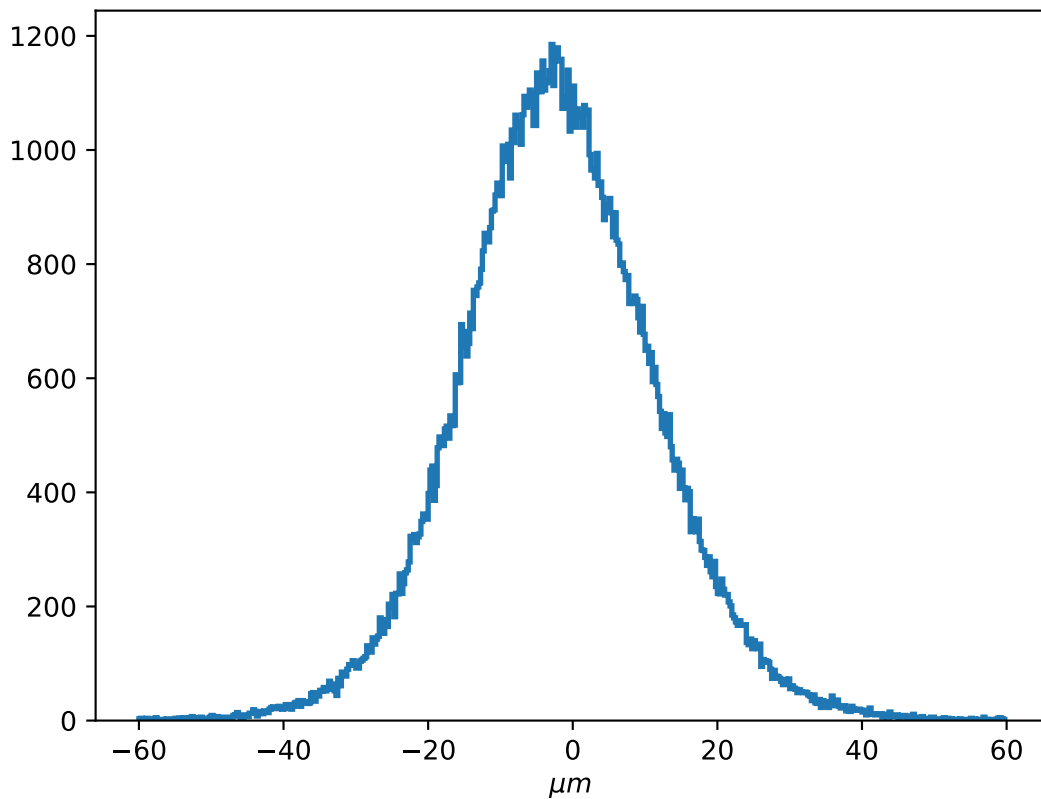
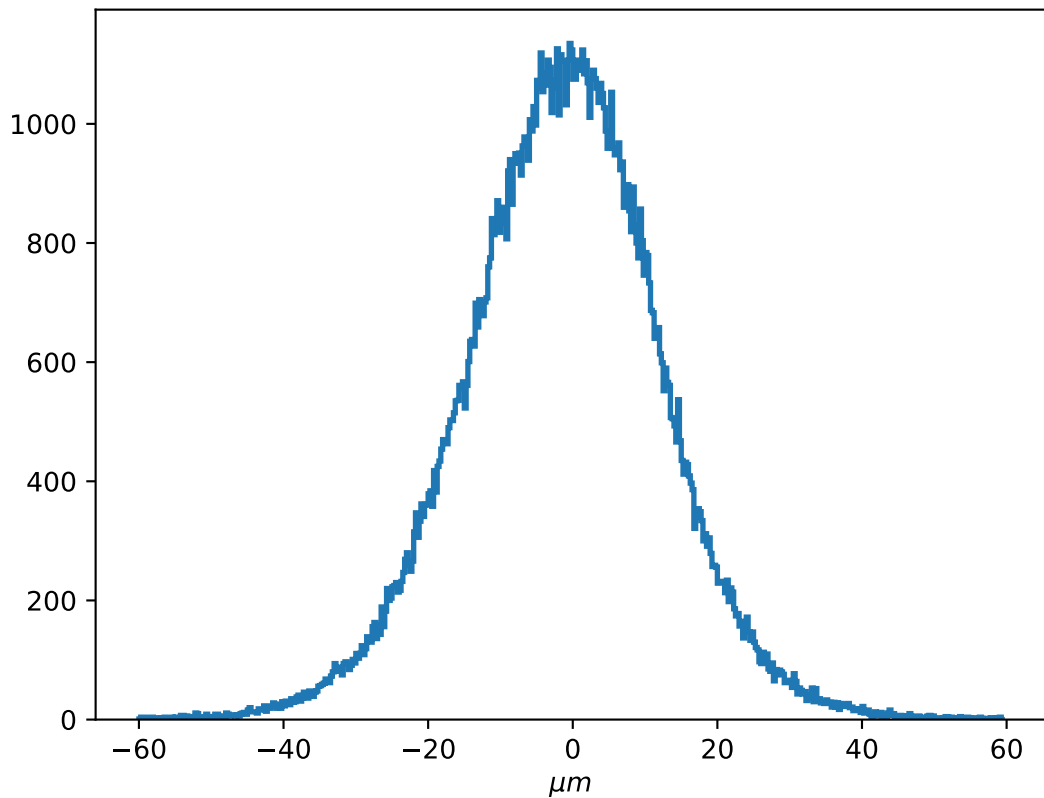residuals in y for clustersize = 4, σ = 14.17
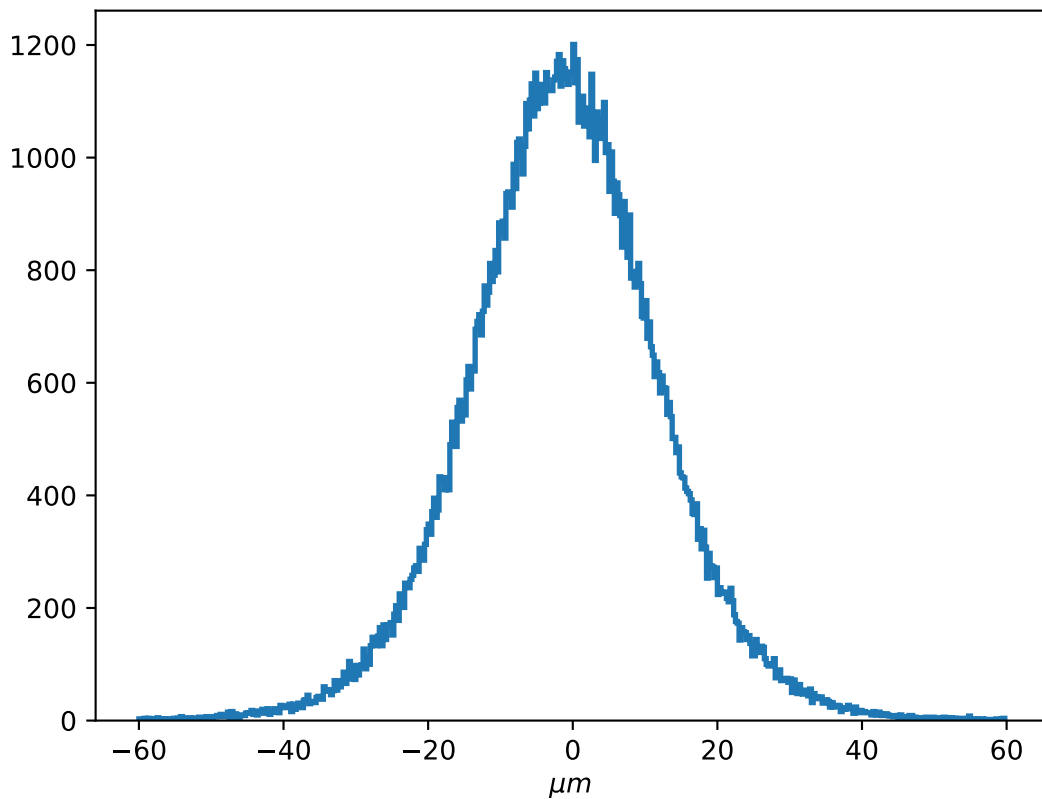
residuals in y for clustersize = 5, $\sigma = 14.00$

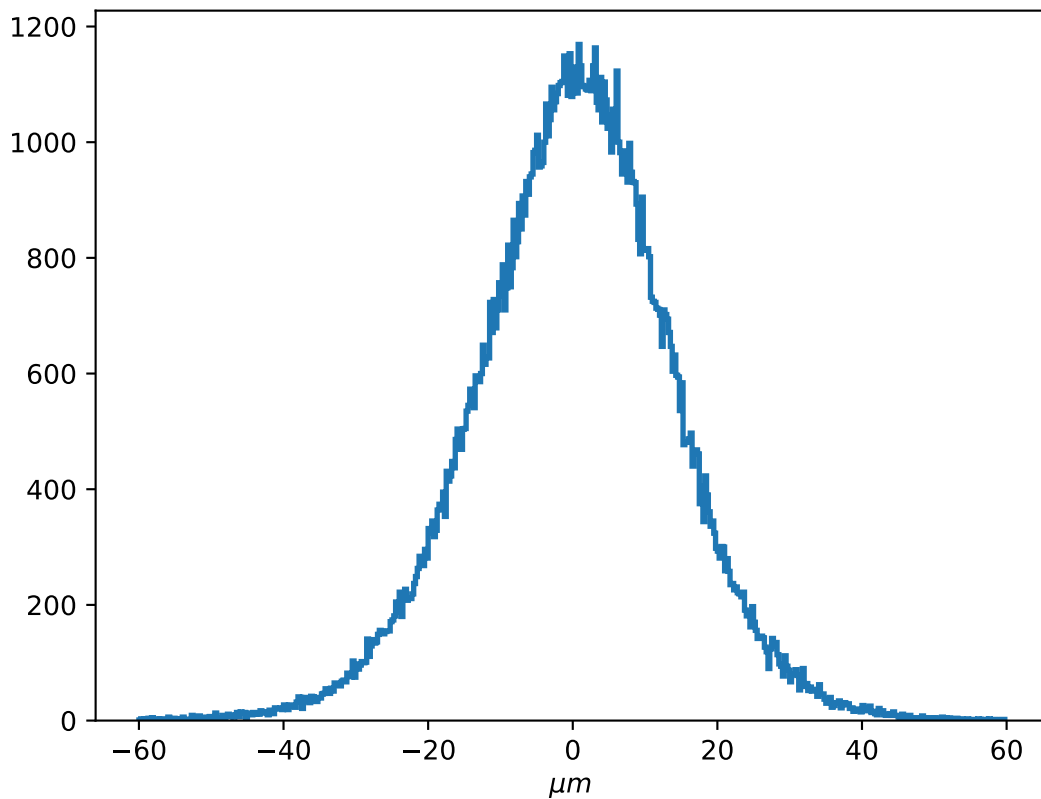residuals in y for clustersize = 6, σ = 14.48

residuals in y for clustersize = 7, σ = 14.65

residuals in y for clustersize = 8, σ = 14.50

residuals in y for clustersize = 9, $\sigma = 14.60$

residuals in y for clustersize = 10, $\sigma = 14.95$

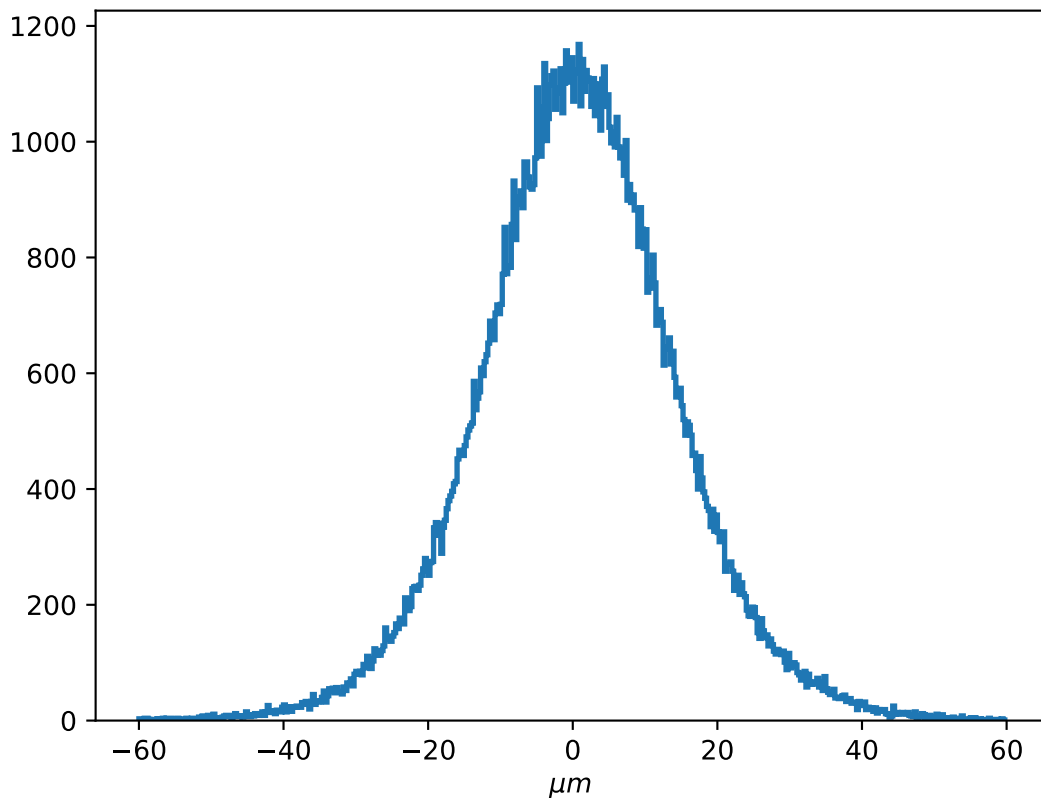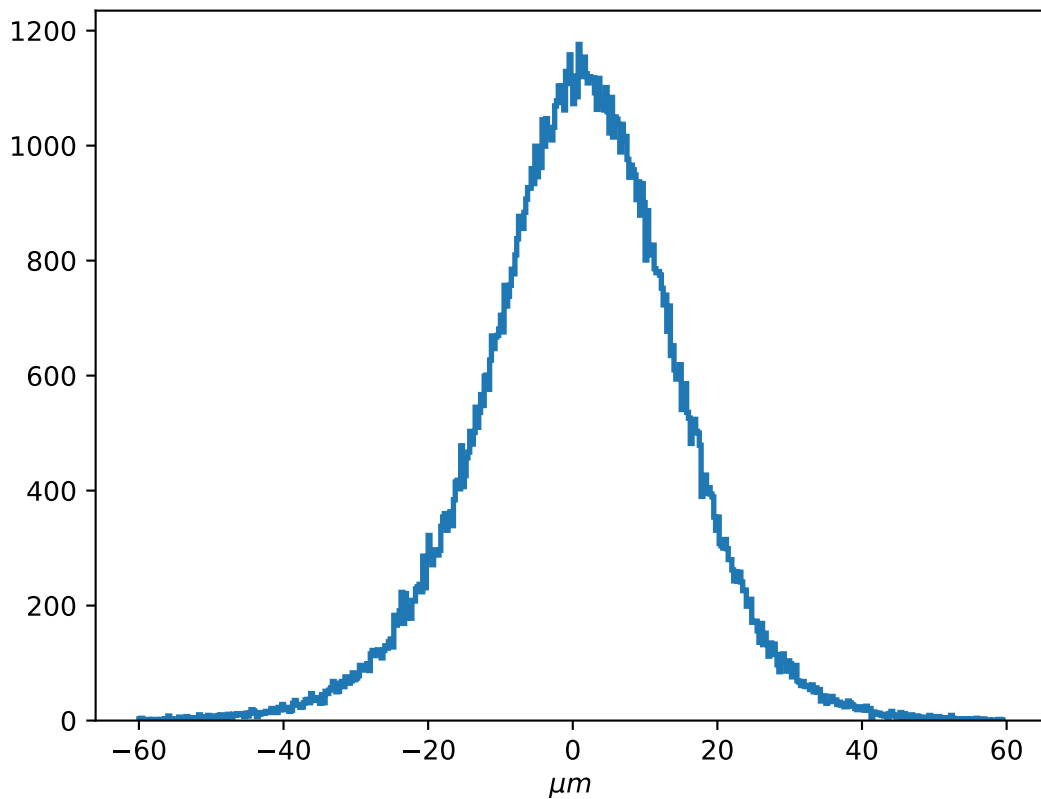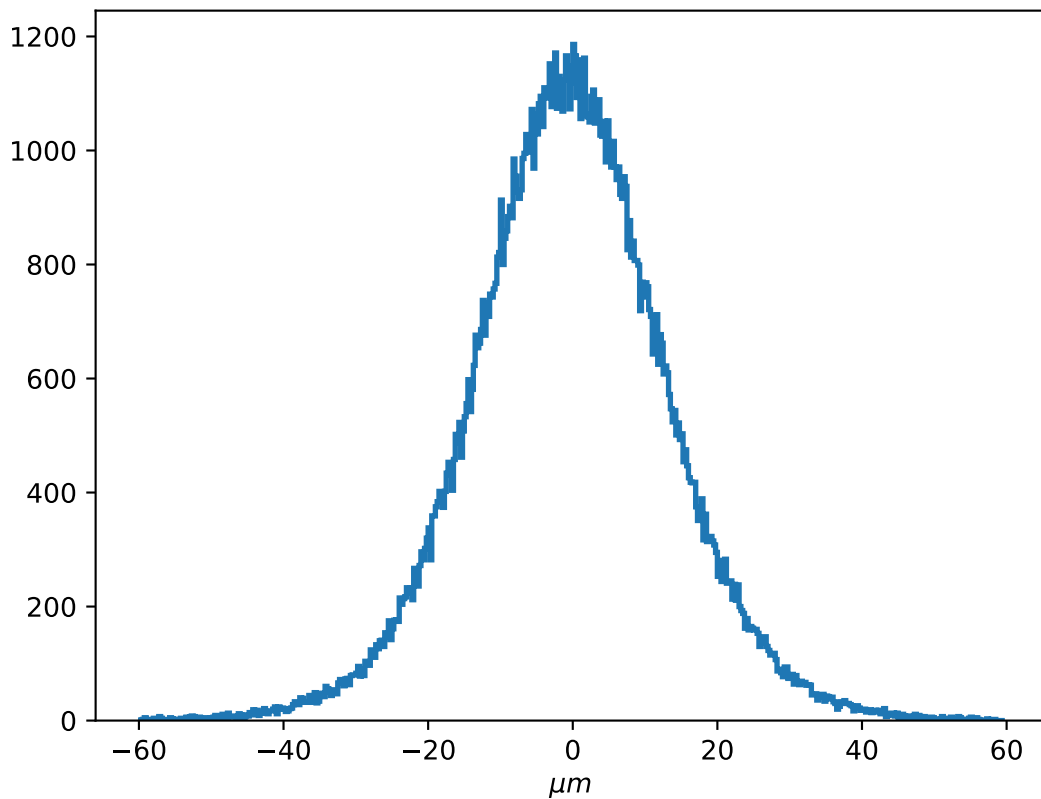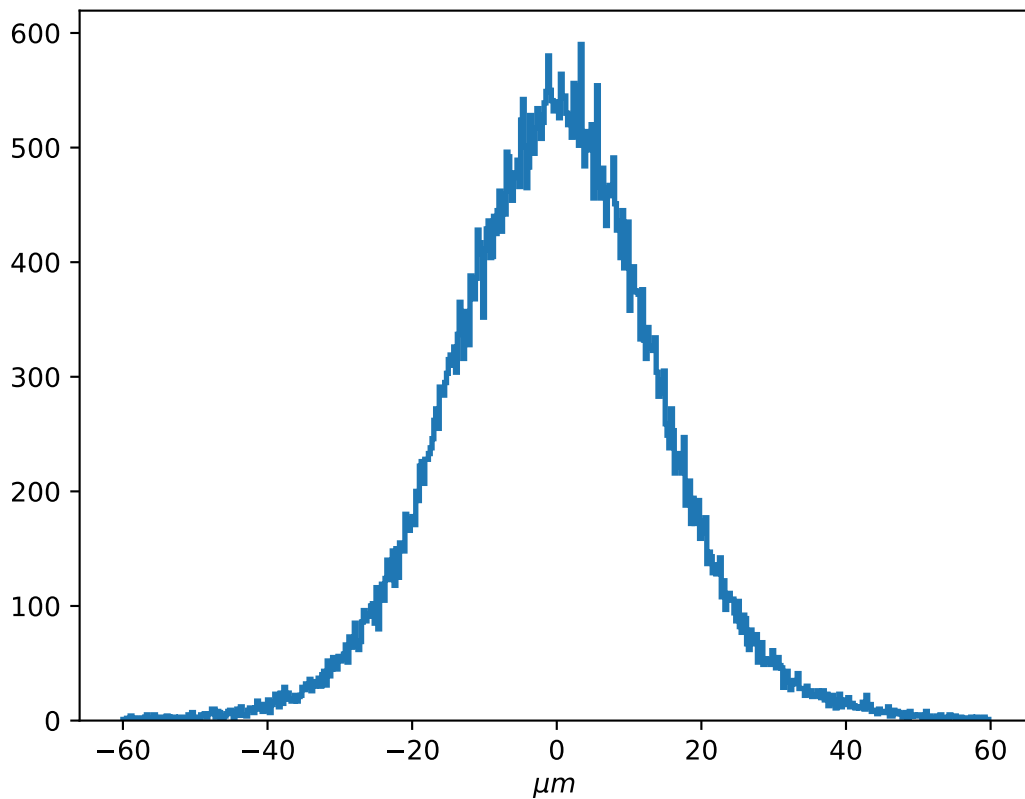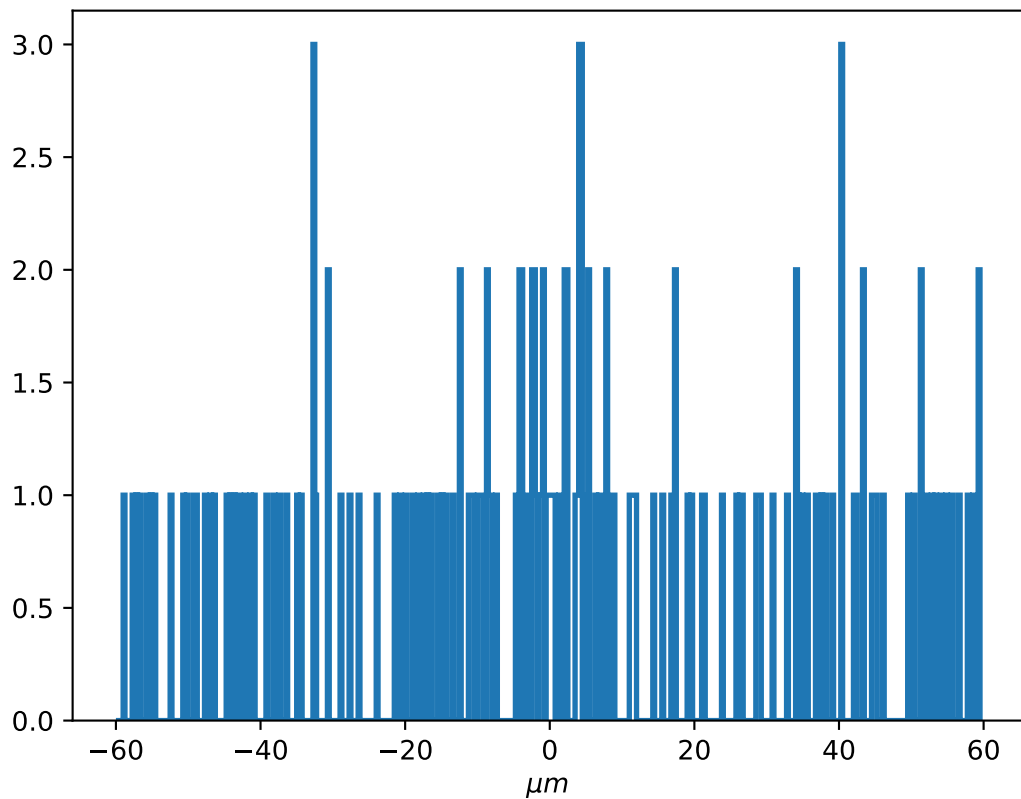residuals in y for clustersize = 11, $\sigma = 14.58$

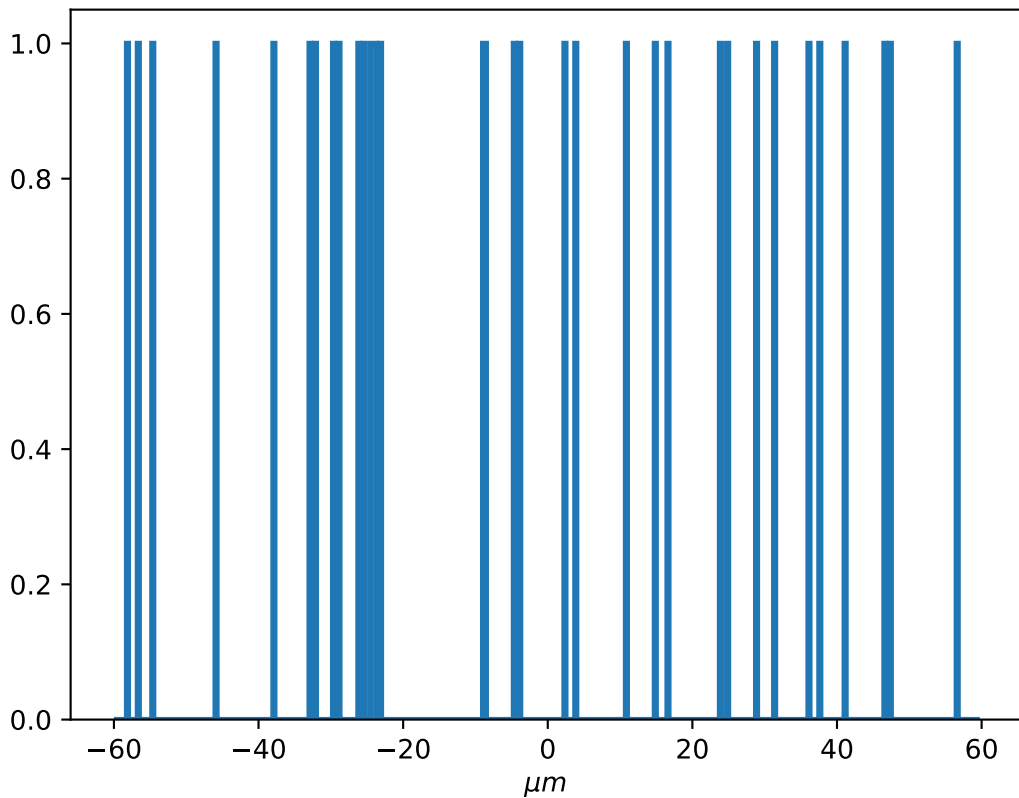residuals in y for clustersize = 12, $\sigma = 14.63$

residuals in y for clustersize = 13, σ = 16.31

residuals in y for clustersize = 14, $\sigma = 99.54$

residuals in y for clustersize = 15, $\sigma = 125.51$

residuals in y for clustersize = 16, σ = 144.73