Thresholds from charge scan 1.0  $\mu = 44.82649 \text{ keV}$   $\sigma = 6.5328 \text{ keV}$ 0.8 0.6 Count 0.4 0.2 0.0 42.5 35.0 37.540.045.047.550.052.555.0 Threshold [keV]