$k_{\|}=0.51\sqrt{E_{kin}}\sin(\theta_m+\theta_x)$

Where, $\theta_x=\tan^{-1}\{(eU(1-\sin\theta_m/\theta_m))/(E_{kin}-eU(1-\sin\theta_m/\theta_m))\}^{0.5}$

θ_m is measured angle and θ_x is the correction.

e is the electron charge,

U is typically 5 V.

E_{kin} is the kinetic energy