scattering angle φ_2 as a function of the impact parameter z_0 $f(\varphi_2) = \sin^{-1}\left(\frac{z_0}{2r}\right)$ 1.5 φ_2 measured 1.0 0.50.0-0.5-1.0-1.5-2.0-1.5-1.0-0.51.0 0.0 0.51.5 2.0

 z_0 (cm)