Velocity increments with Rutherford (Coulomb/grav.) scattering, $\theta_{min}(V) = 2w/V$ $\langle \Delta v_{\parallel} \rangle$ 10^{-4} $\langle \Delta v_\parallel^2 \rangle$ $\langle \Delta v_\perp^2 \rangle$ 10^{-7} $\langle \Delta v_{\parallel} \Delta v_{\perp}^2 \rangle$ 10^{-10} velocity increments 10⁻¹³ 10^{-16} 10^{-19} 10^{-22}

10⁷

 v_{particle}

10⁸

10⁹

10¹⁰

10⁴

10⁵

10⁶