Lorentz Factor Profile ($t\!=\!1.00s$, $\Gamma_A=\!50.00$, $k\!=\!2.0$, $\sigma\!=\!02.0^\circ$) $\Theta_v = 00.0^{\circ} \mid \kappa = 1.0$ $\Theta_v = 02.0^{\circ} | \kappa = 1.0$ $\Theta_v = 06.0^{\circ} | \kappa = 1.0$ 0.0 0.2 0.4 0.6 8.0 1.0 10² $\Theta_v = 00.0^{\circ} | \kappa = 3.0$ $\Theta_v=\!02.0\,^\circ\,|\ \kappa\!=\!3.0$ $\Theta_v=\!06.0\,^\circ\,|\ \kappa=\!3.0$ 0.0 0.2 $y\!=\!R/R_{l}$ 0.4 0.6 8.0 1.0 10¹ $\Theta_v = 00.0^{\circ}$ | $\kappa = 10.0$ $\Theta_v = 02.0^{\circ} | \kappa = 10.0$ $\Theta_v = 06.0^{\circ} | \kappa = 10.0$ 0.0 0.2 0.4 0.6 8.0 10⁰ 1.0 $0.0 \ \ 0.1 \ \ 0.2 \ 0.2 \ \ 0.1 \ \ 0.0 \ \ 0.1 \ \ 0.2 \ 0.2 \ \ 0.1 \ \ 0.0 \ \ 0.1 \ \ 0.2$

 R_{\perp}/R_{l}