

$$\left\{ \begin{array}{l} \sigma_{\kappa}^{meas} \\ \sigma_{\kappa}^{MS} \\ \tan \alpha_{stereo} \\ \sigma_{T_0} \\ \text{required 2-track separation} \\ \text{Lorentz angle} \end{array} \right. \begin{array}{l} \propto \frac{\sigma_{xy}}{l^2 B \sqrt{n}} \\ \propto \frac{\sqrt{(X/X_0)}}{l B p} \\ = \frac{r \Delta \phi}{L} \uparrow \text{ for a given } r \longrightarrow \sigma_z \\ \propto \frac{\sigma_{xy}}{v_{drift} \sqrt{n}} \\ \propto \text{track distance} \\ \propto B \end{array} \begin{array}{c} \uparrow \\ \downarrow \\ \downarrow \\ \uparrow \\ \downarrow \\ \uparrow \end{array}$$