

IP8 Secondary Focus Acceptance (nominal $P/Z = 275$ GeV/c). Polar angle θ_{IP} relative to ion beam at Interaction Point. $\sim 100\%$ acceptance for

$$[0 \leq \theta_{IP} \leq 5 \text{ mrad}] \quad \&\& \quad [0.95 \leq x_L \leq 0.9905]$$

OR

$$[\theta_{IP} \leq 5 \text{ mrad} \quad \&\& 0.9905 < x_L] \quad \&\& \quad \left\{ \theta_{IP} > \frac{0.01}{x_L P/Z} \left[\frac{1}{1 - x_L} - \frac{1}{0.0095} \right] \right\}$$