p_t error

1996 RPP p. 147 (24.19)

$$k = \frac{1}{R} = \frac{0.3\,B}{p_t}$$

Tesla
Meters
GeV

$$(\delta p_t)_{MCS} = \left[\frac{0.016}{0.3 B \beta \sin\theta} \frac{1}{L}\sqrt{\frac{L}{X_0}}\right] p_t$$

- L is segment of circle
- $\frac{L}{X_0} = \alpha \cdot L$

$\alpha \rightarrow$ radiation length of gas + wires per unit length