B-Factory Tracking

- ~ 11 charged tracks per $B\bar{B}$
- Mean momentum ~ 700 MeV/c
- Relatively low rates, no dense jets

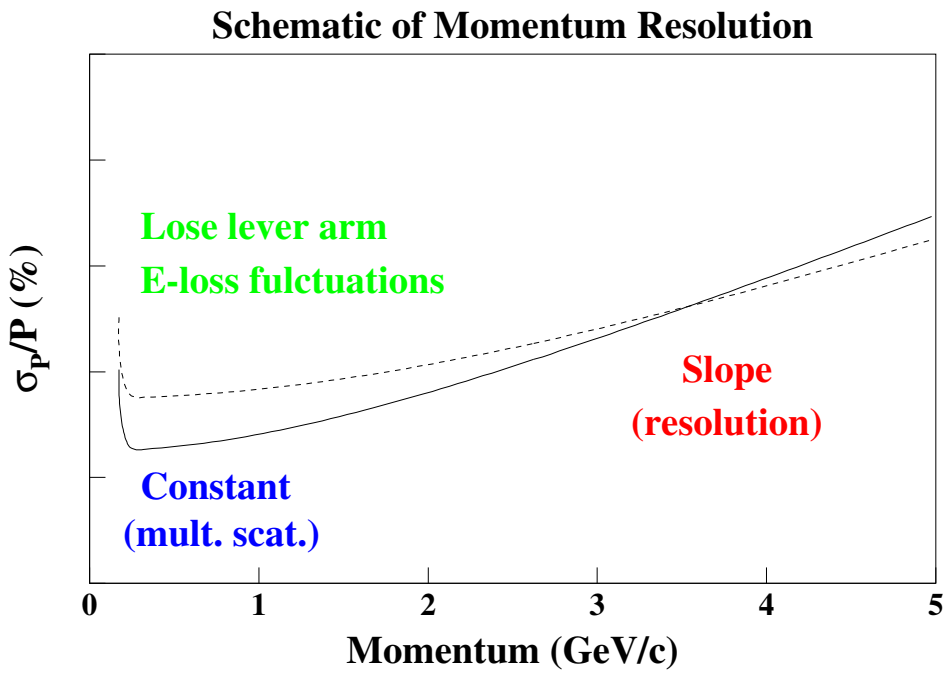
Chamber Momentum Resolution:

$\sigma_{P_t}/P_t = a \oplus bP_t$

a from multiple scattering

$a \sim \sqrt{L/X_0}/(BL)$

b from resolution

$b \sim \sigma/(BL^2\sqrt{n})$

low momentum: energy-loss fluctuations, lose L