

Detector configuration

TPC

- $N = 200$
- $\sigma_{xy} = (55^2 + 55^2/28 * z_{drift})^{1/2}$ [micron] (P5 gas)
- $\sigma_z = 600$ [micron]

IT

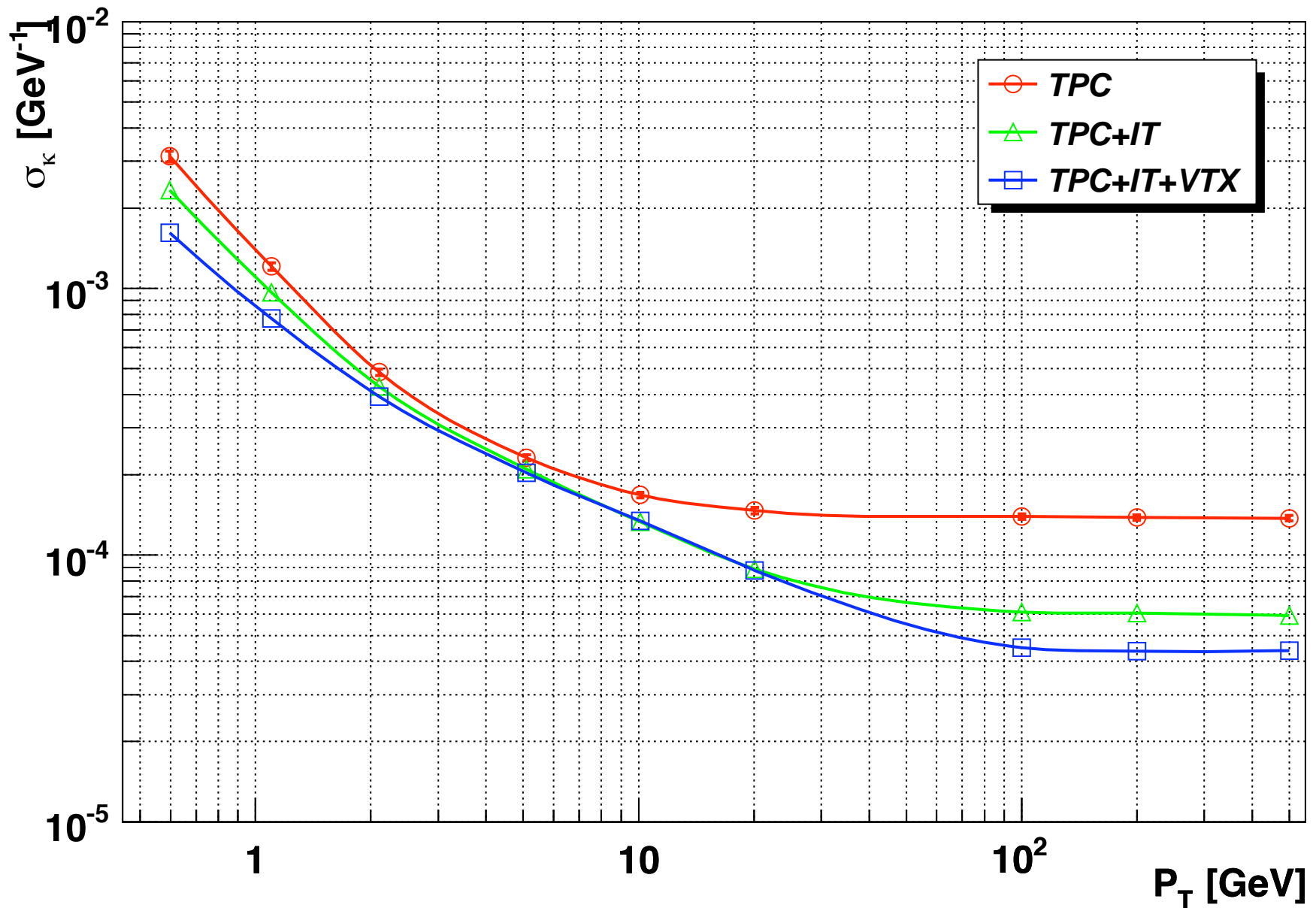
- $\sigma = 10$ micron

VTX

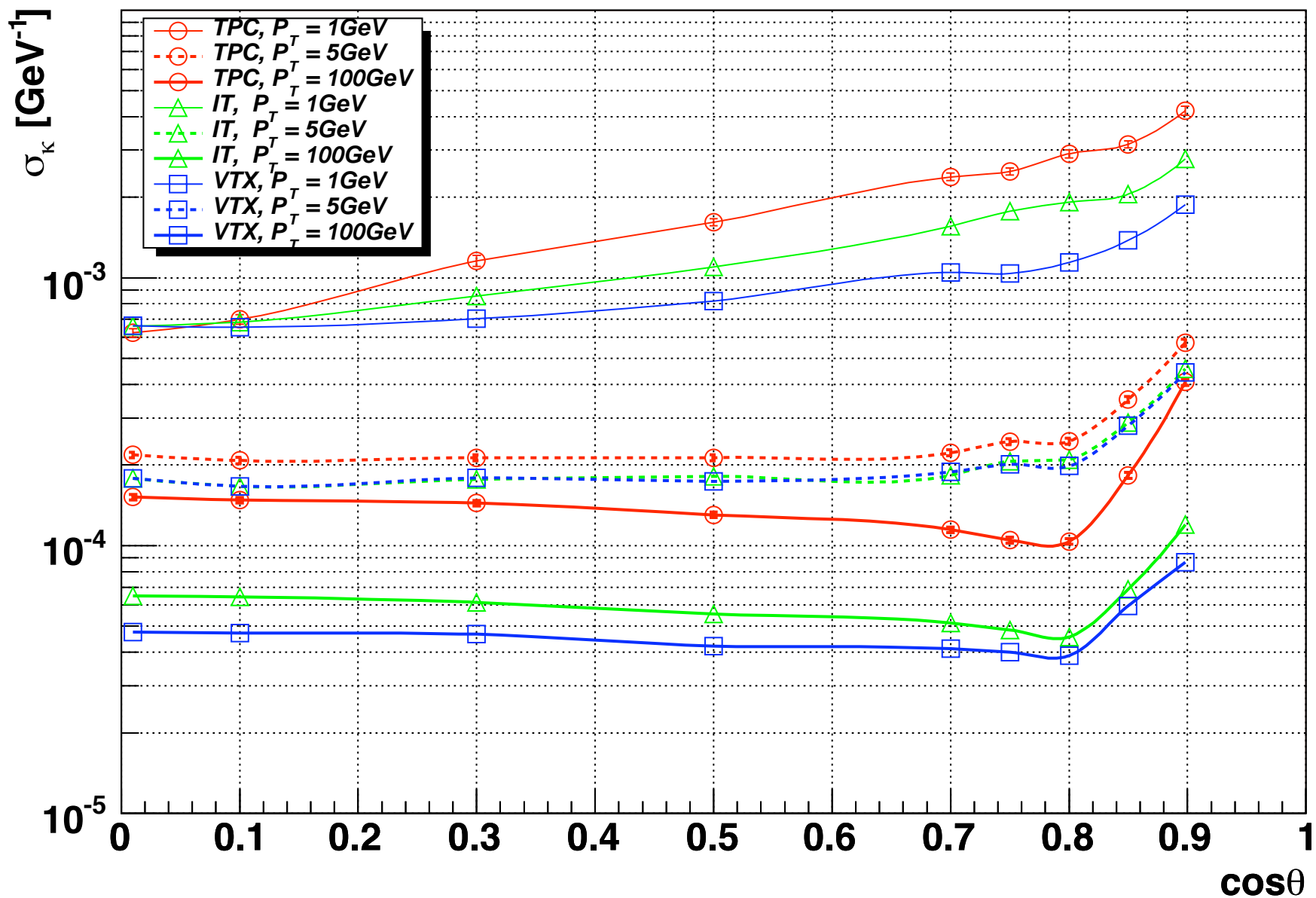
- $\sigma = 4$ micron

Momentum resolution vs P_T

$\cos \theta < |0.7|$

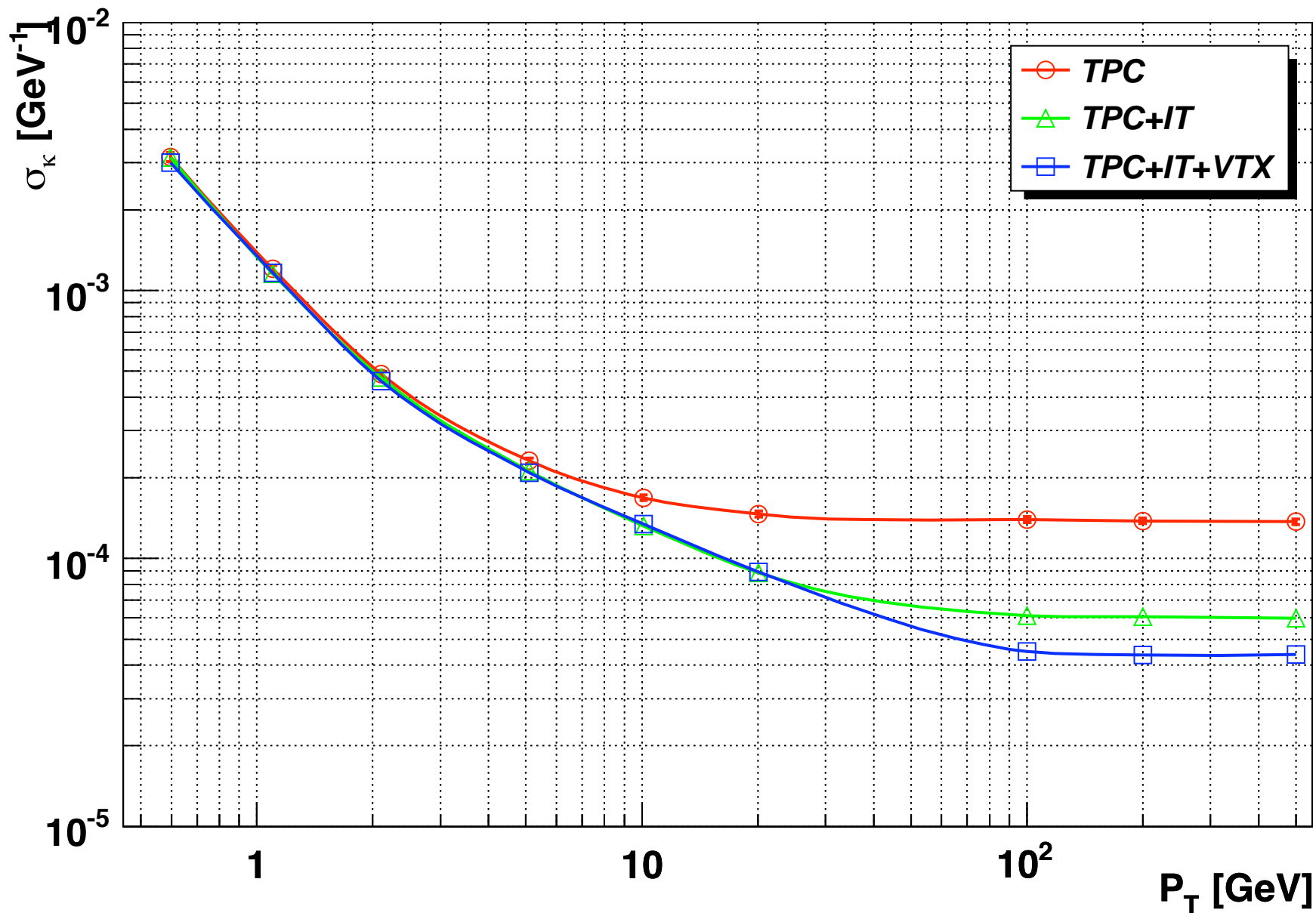


Momentum resolution vs cos



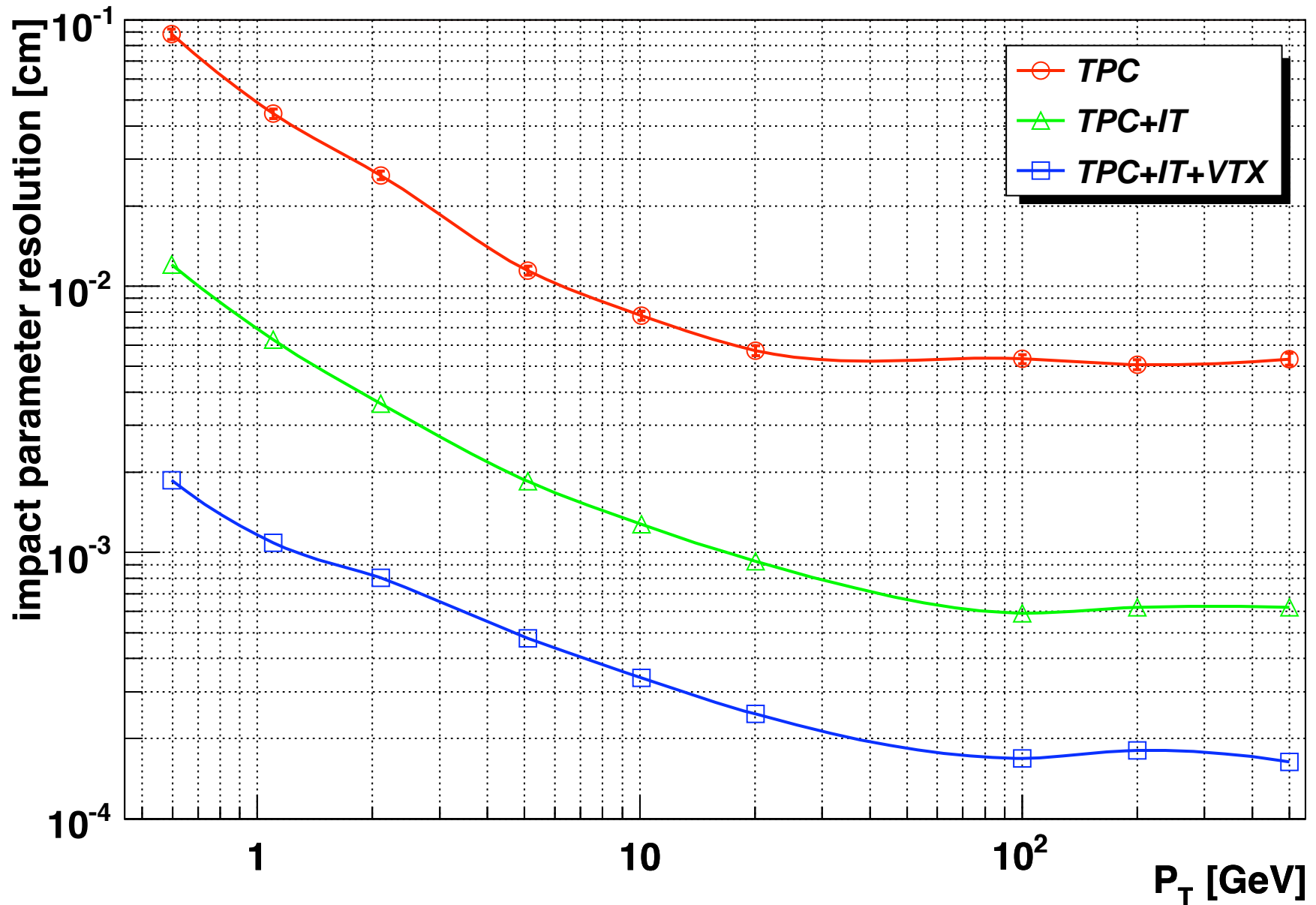
Momentum resolution vs P_T

($\sigma_{z} = 0$)



Impact parameter resolution vs P_T

$\cos \theta < |0.7|$



x

htemp	
Entries	1000
Mean	-7.193e-06
RMS	0.0001885

