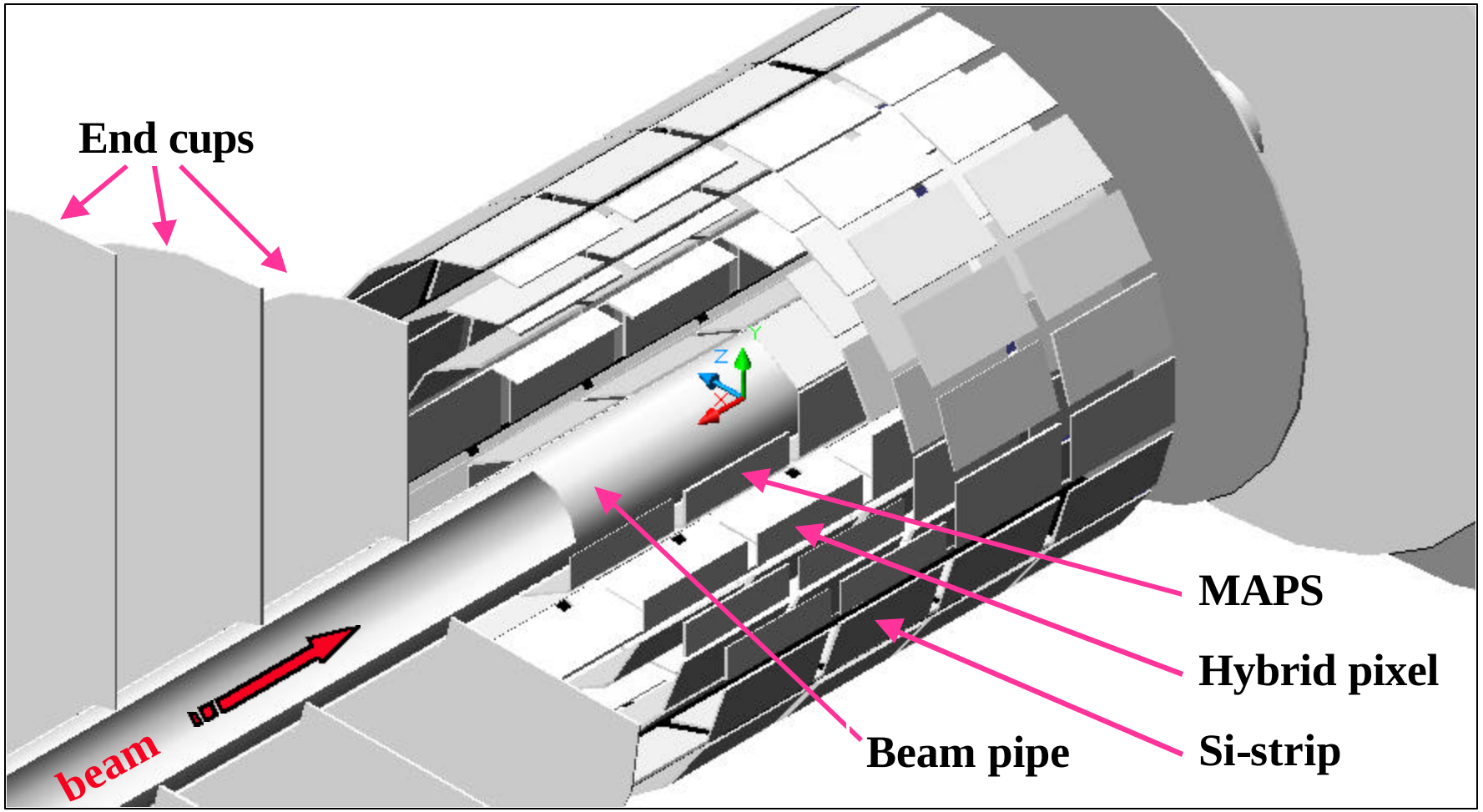
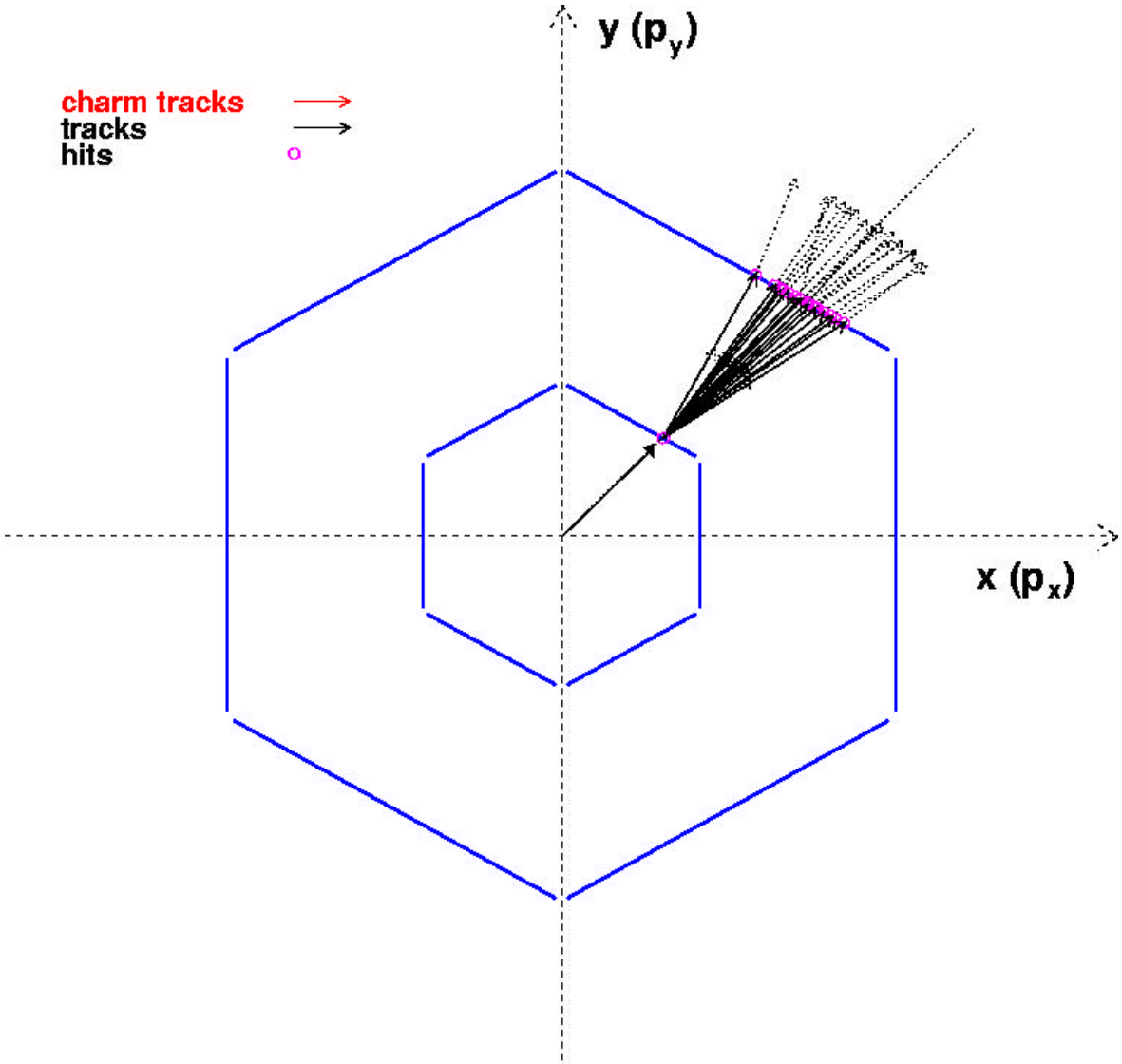
Si barrel ACAD-GEANT

CADINT - ACAD-GEANT interface

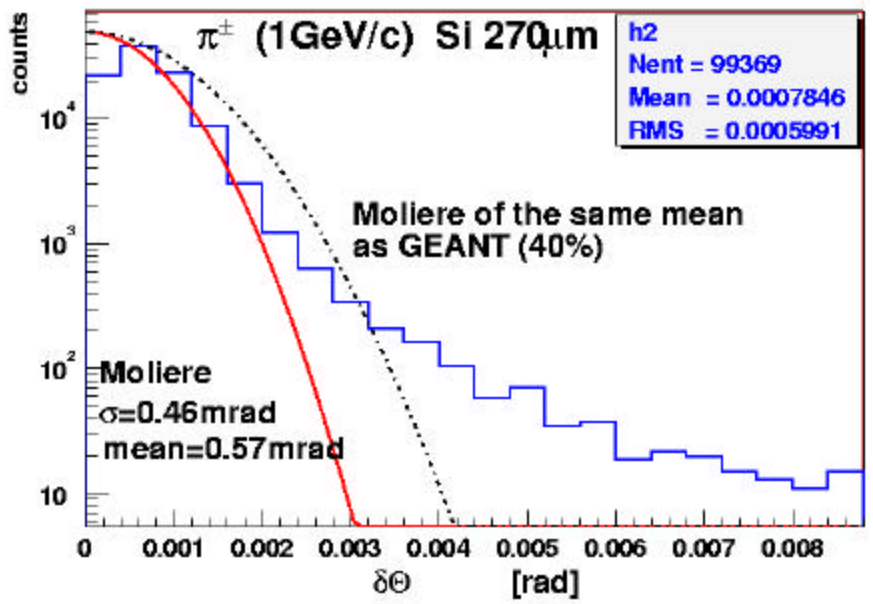
Two layers implemented in Geant – pixel digitization done.

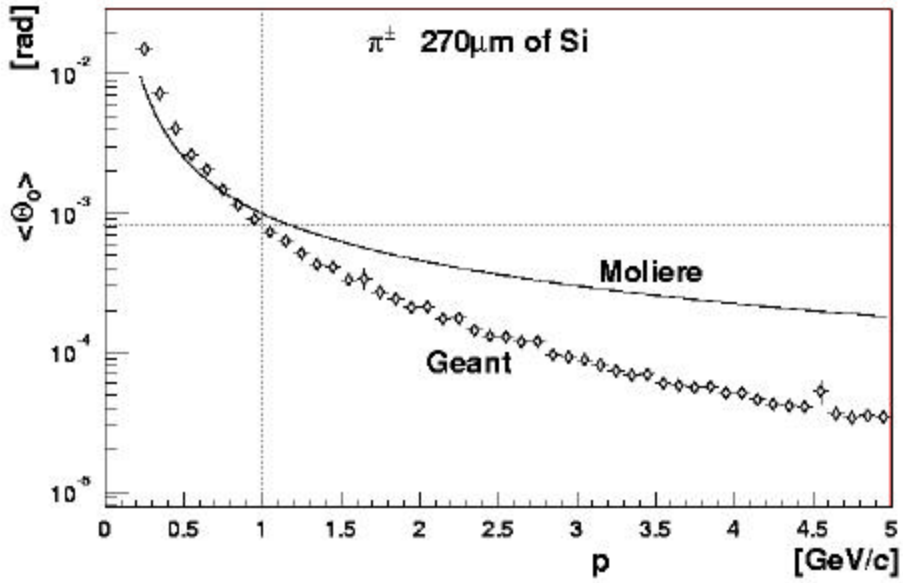


Thick wafers



Mult. scatt. Geant vs. Moliere





1GeV/c pions:

Moliere

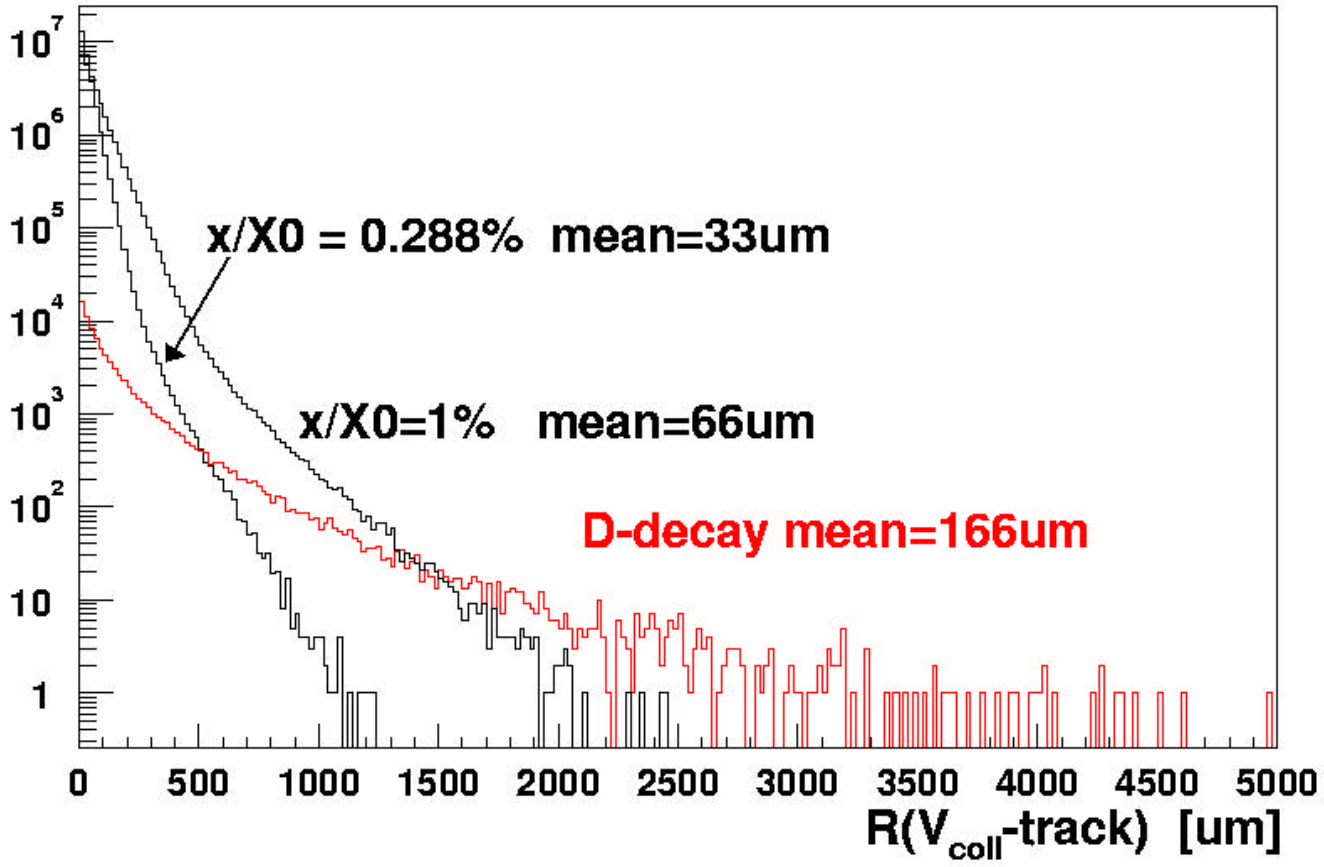
$\sigma_{Moliere}$=0.57 mrad

$\langle\theta\rangle = \sigma_{Moliere}.\sqrt{(2/\pi)}$ = 0.46 mrad

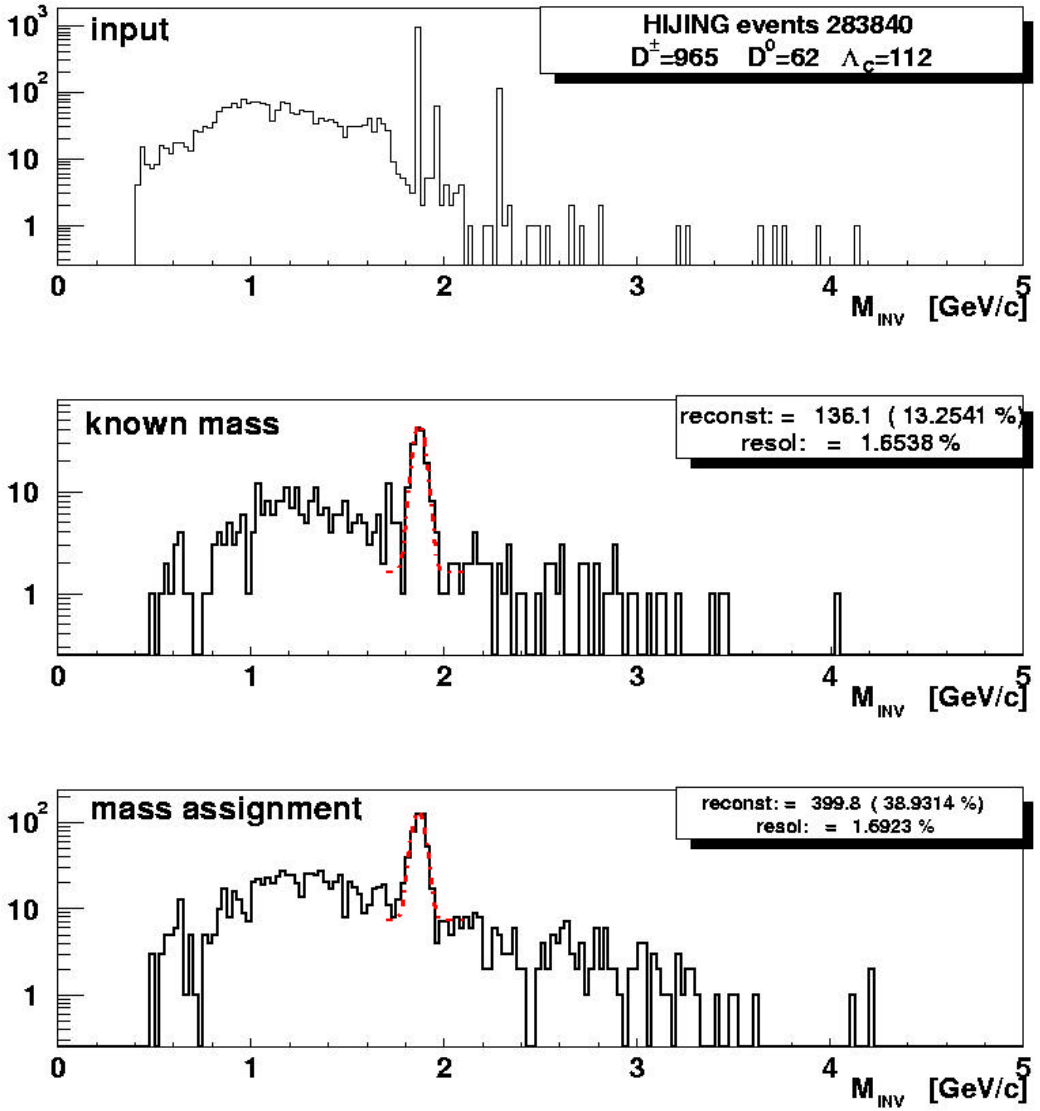
Geant

$\langle\theta\rangle$ = 0.78 mrad

Single track DCA



HIJINIG Charm track only



Old algorithm

270 um Si

Mult. Scatt. On

Only DCA tracks

(ultimate limit)