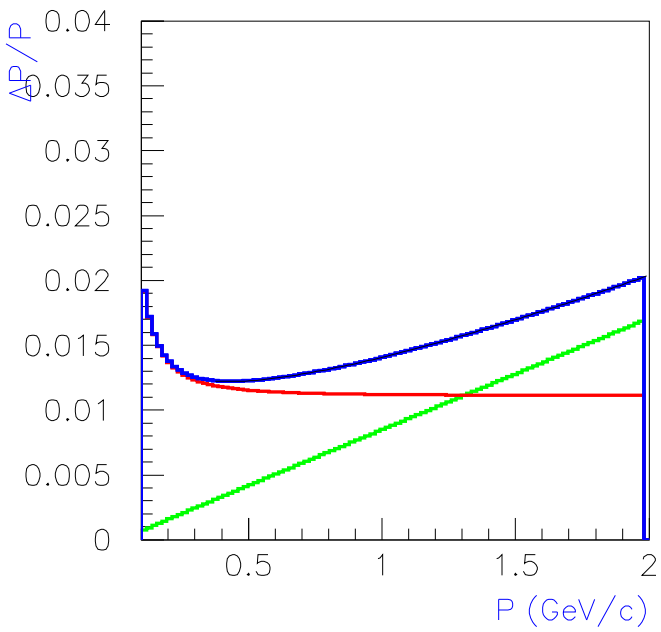
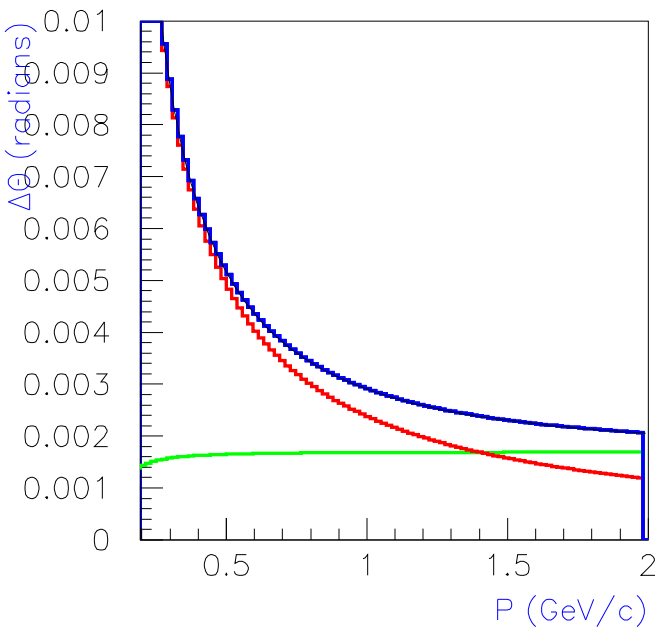
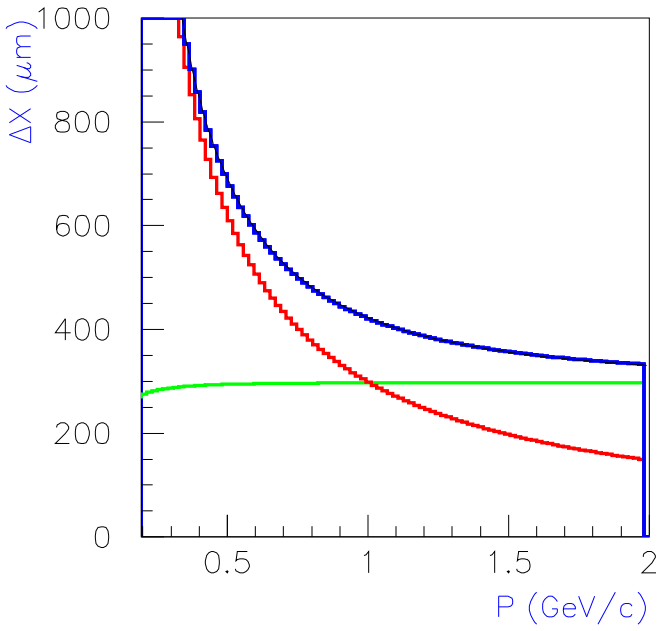
Hall D CDC at 90 degrees. sigx=150μ, nominal, 23 layers, B=1.74T







$\Delta P/P = \mathrm{sqrt}(\sigma_1^2 P^2 + (\sigma_2/\beta)^2)$

$\sigma_1 = 0.00855848 (\mathrm{GeV}^{-1})$

$\sigma_2 = 0.0110623$

$\Delta\Theta = \mathrm{sqrt}(\sigma_1^2 + (\sigma_2/P\beta)^2)$

$\sigma_1 = 0.00168669 (\mathrm{rad})$

$\sigma_2 = 0.00234381 (\mathrm{rad.GeV})$

$\Delta X = \mathrm{sqrt}(\sigma_1^2 + (\sigma_2/P\beta)^2)$

$\sigma_1 = 294.431 (\mu\mathrm{m})$

$\sigma_2 = 300.314 (\mu\mathrm{m.GeV})$

mass= 0.14

red – mult. green – pos. blue – sum