

Weekly report

MA Binsong

14/07/2015

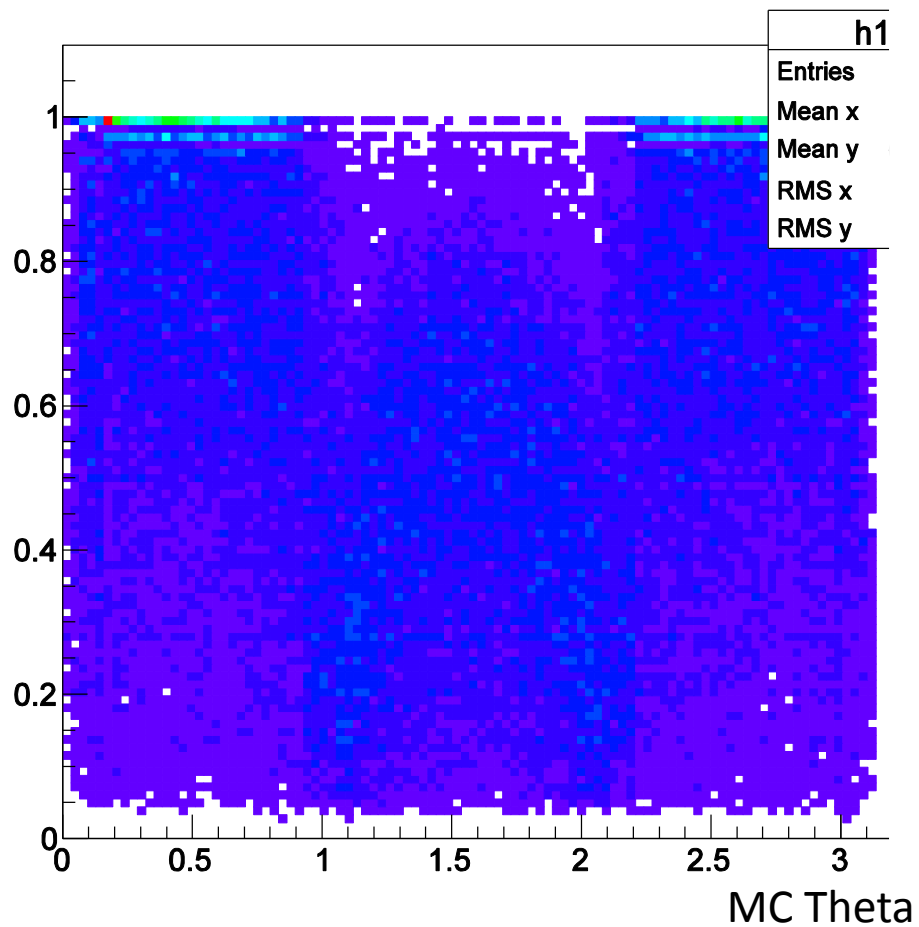
- Look at the pion hit collection efficiency for the current Arbor
- Debug the Arbor main code (Manqi's 703 version)

efficiency calculation

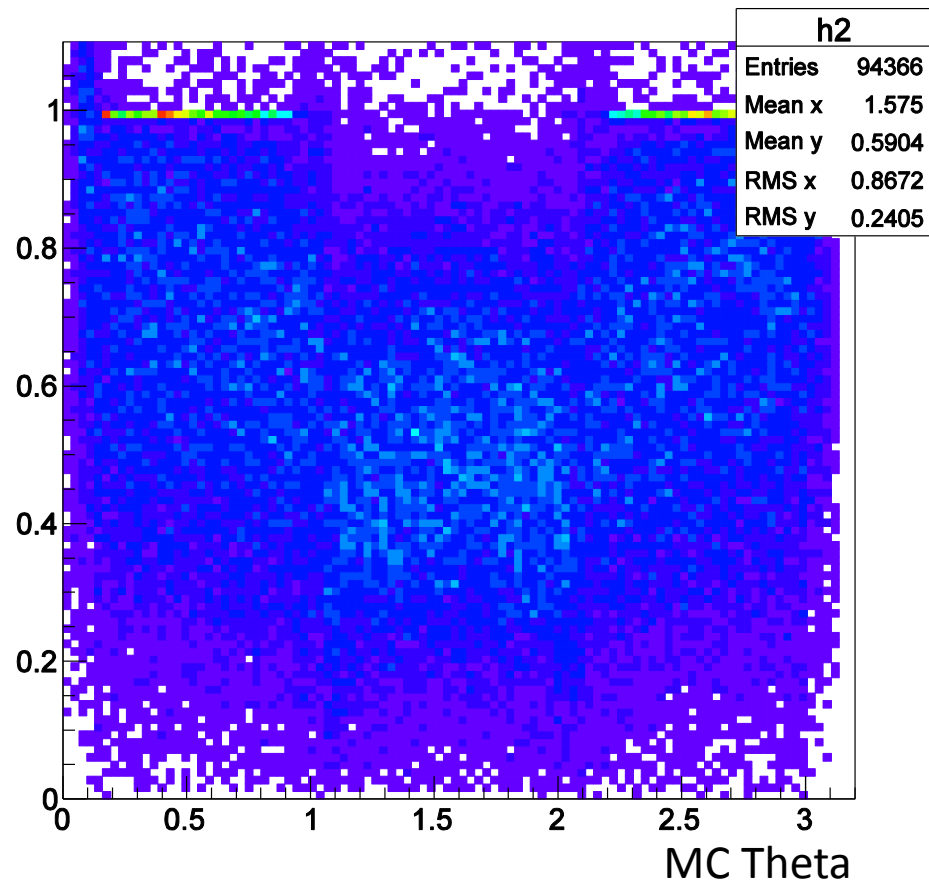
- $\text{Eff} = \frac{N(\text{ArborPFOs})}{N(\text{ECALBarrel} + \text{ECALEndcap} + \text{ECALOther} + \text{HCALBarrel} + \text{HCALEndcap} + \text{HCALOther} + \text{LCAL} + \text{LHCAL})}$
- Events: pion with energy from 1 to 100 GeV
- Plot the efficiency vs MC Theta

1GeV

Hit Eff

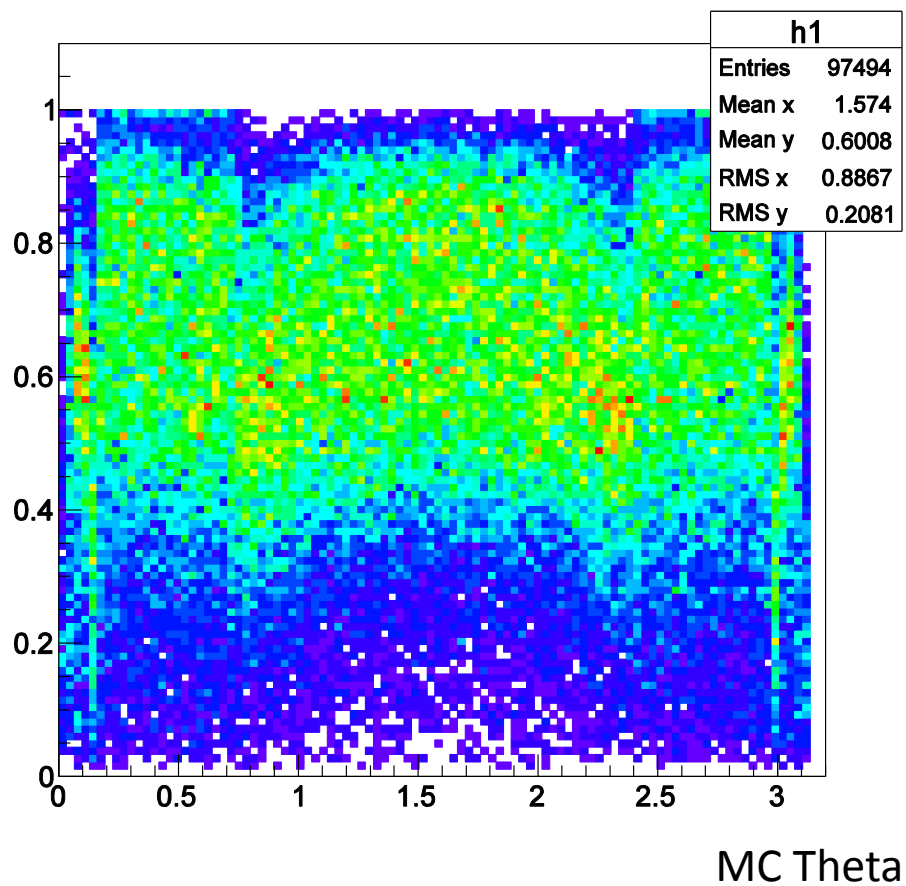


En Eff

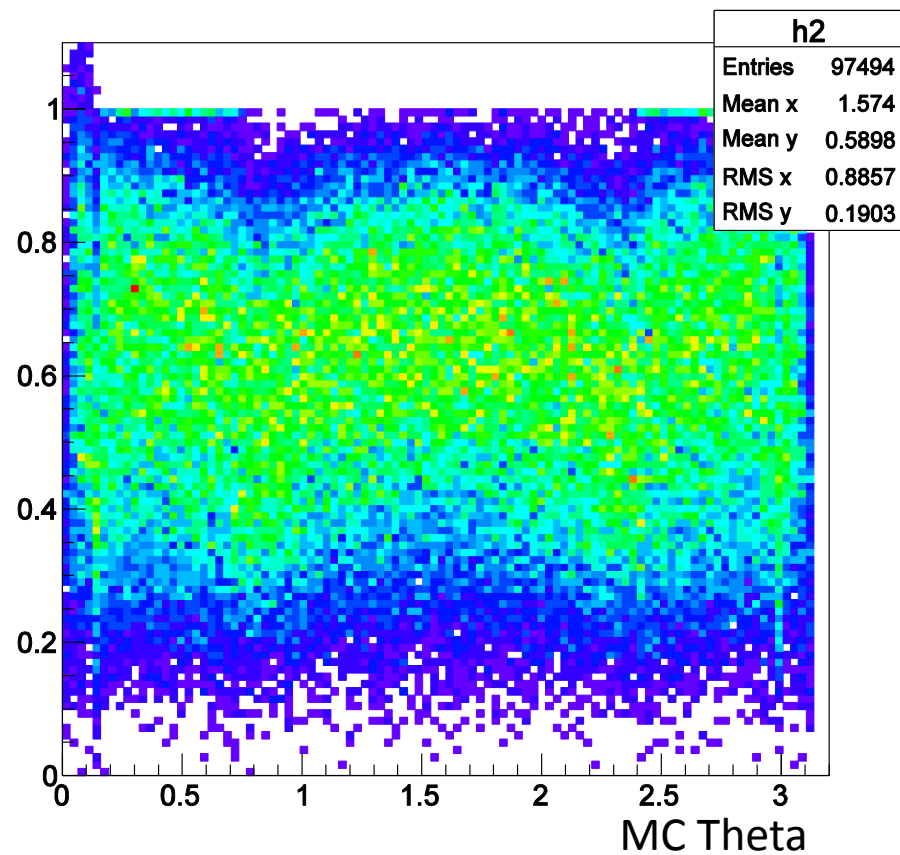


3GeV

Hit Eff

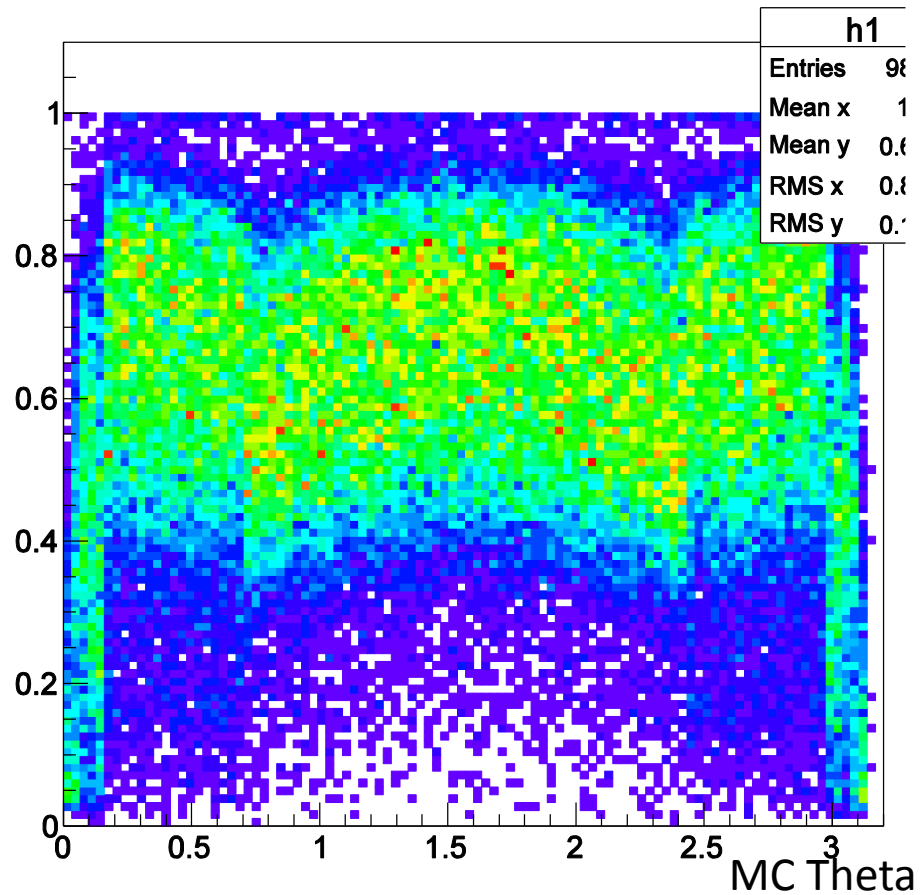


En Eff

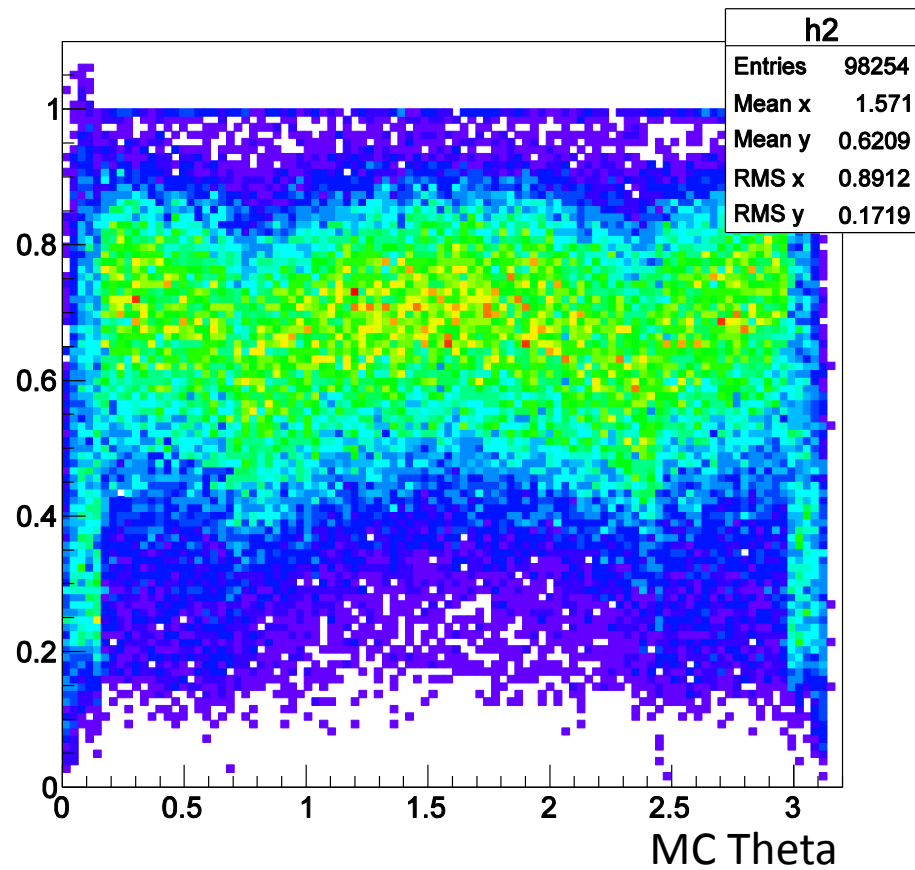


8GeV

Hit Eff

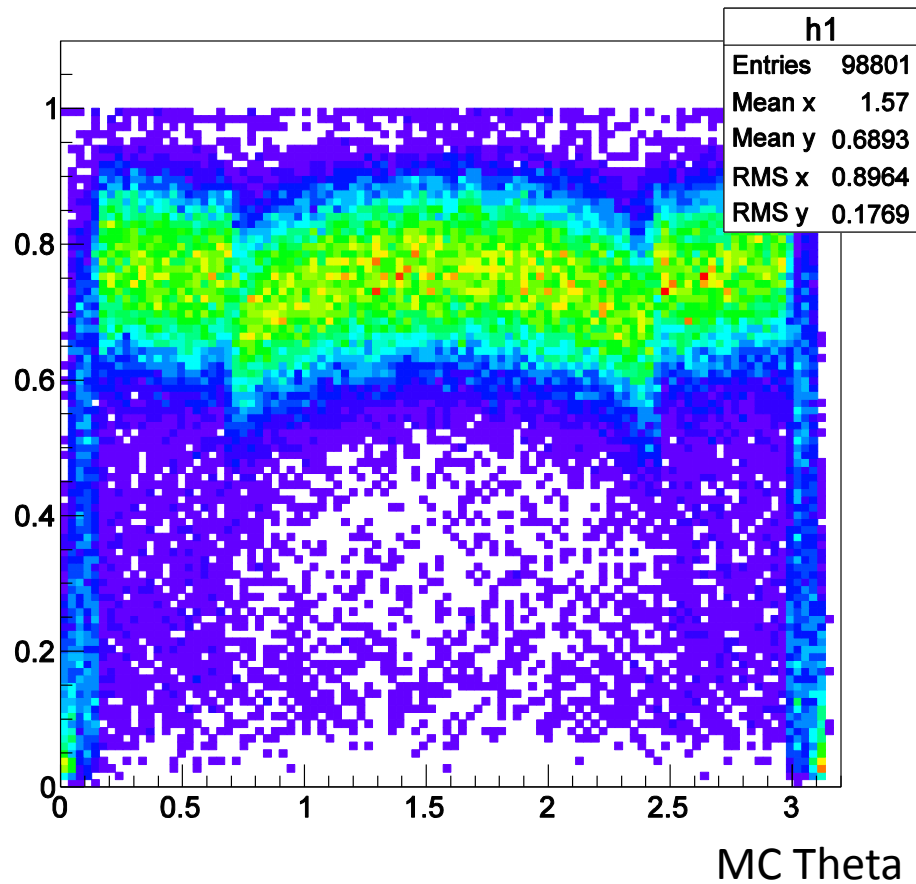


En Eff

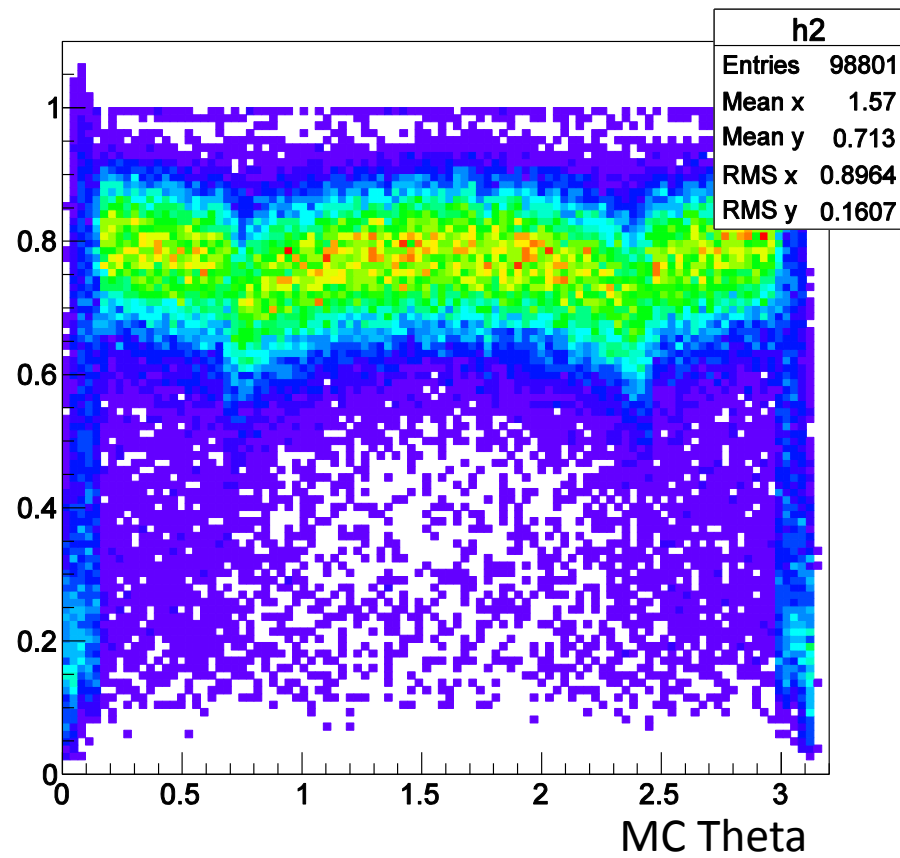


20GeV

Hit Eff

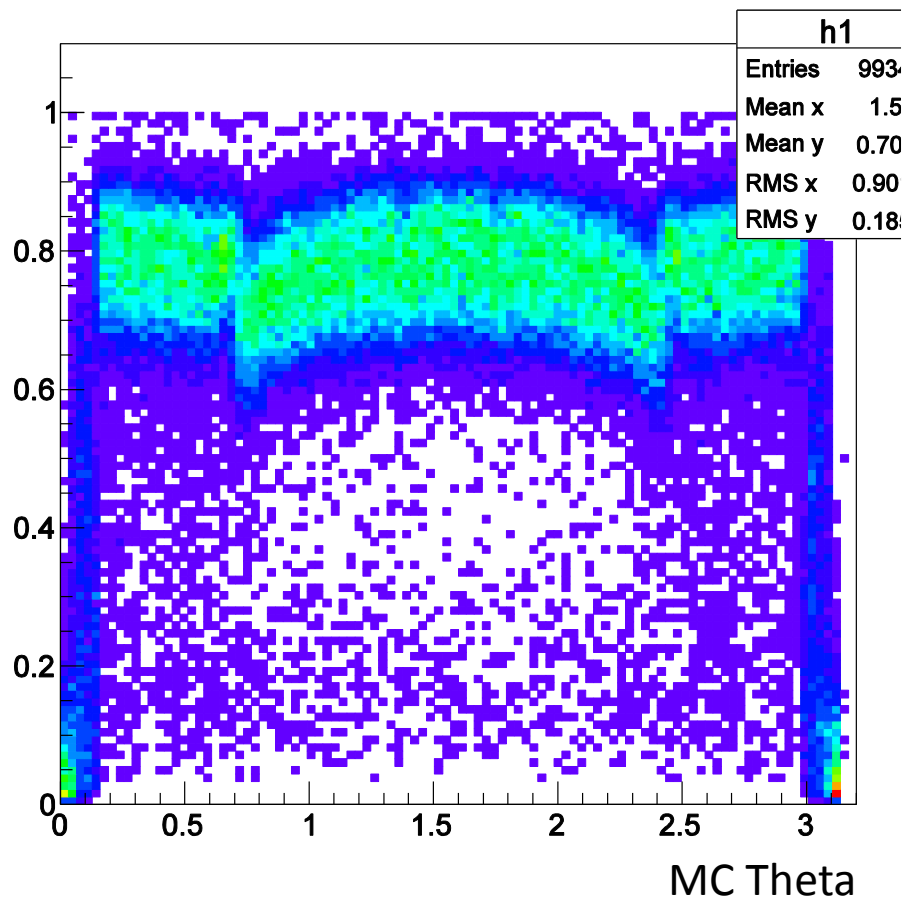


En Eff

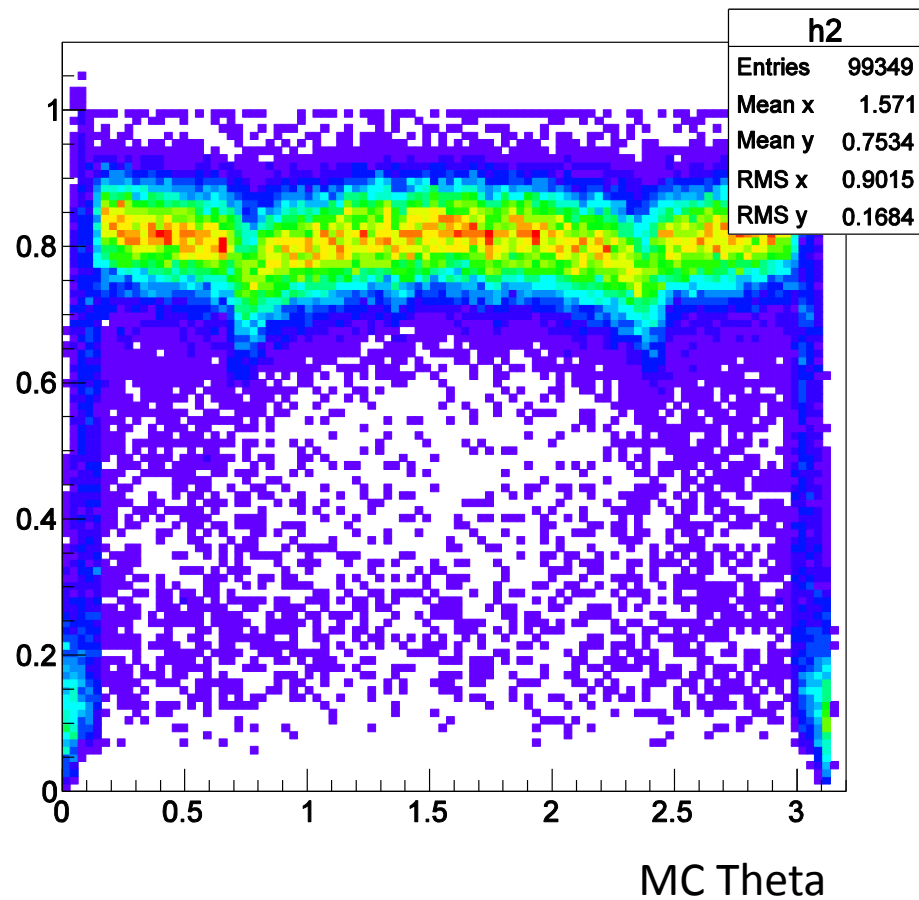


50GeV

Hit Eff

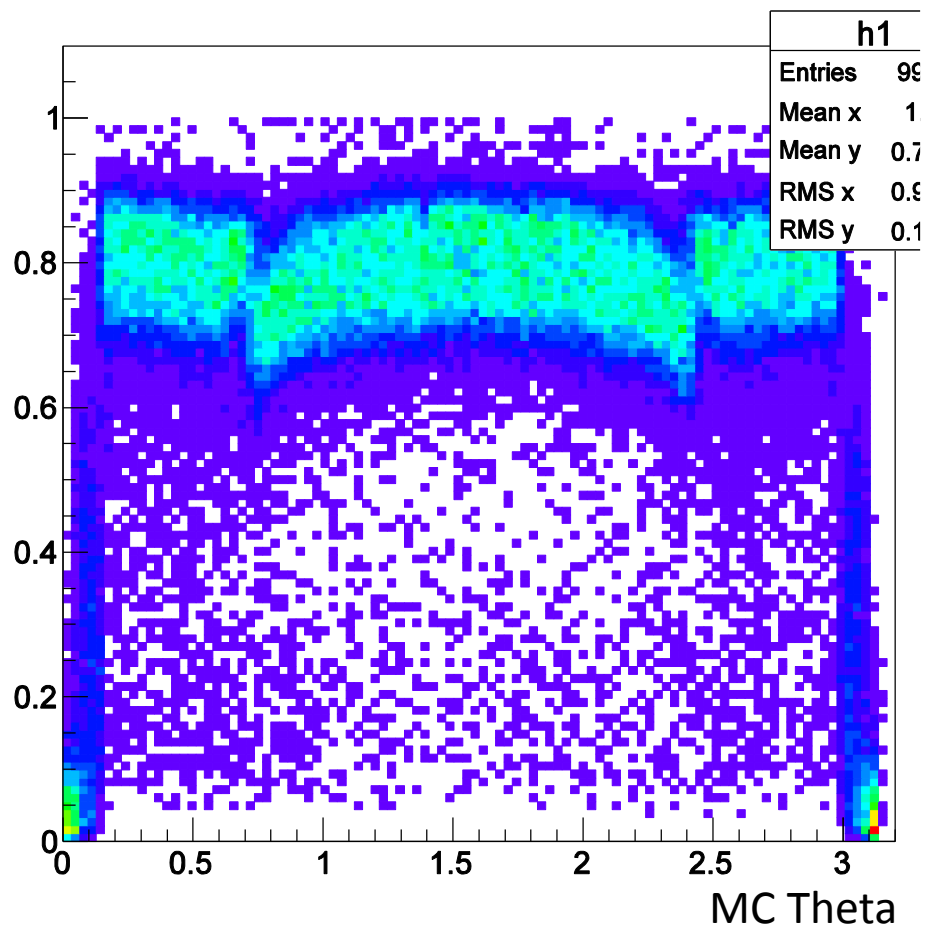


En Eff



100GeV

Hit Eff



En Eff

