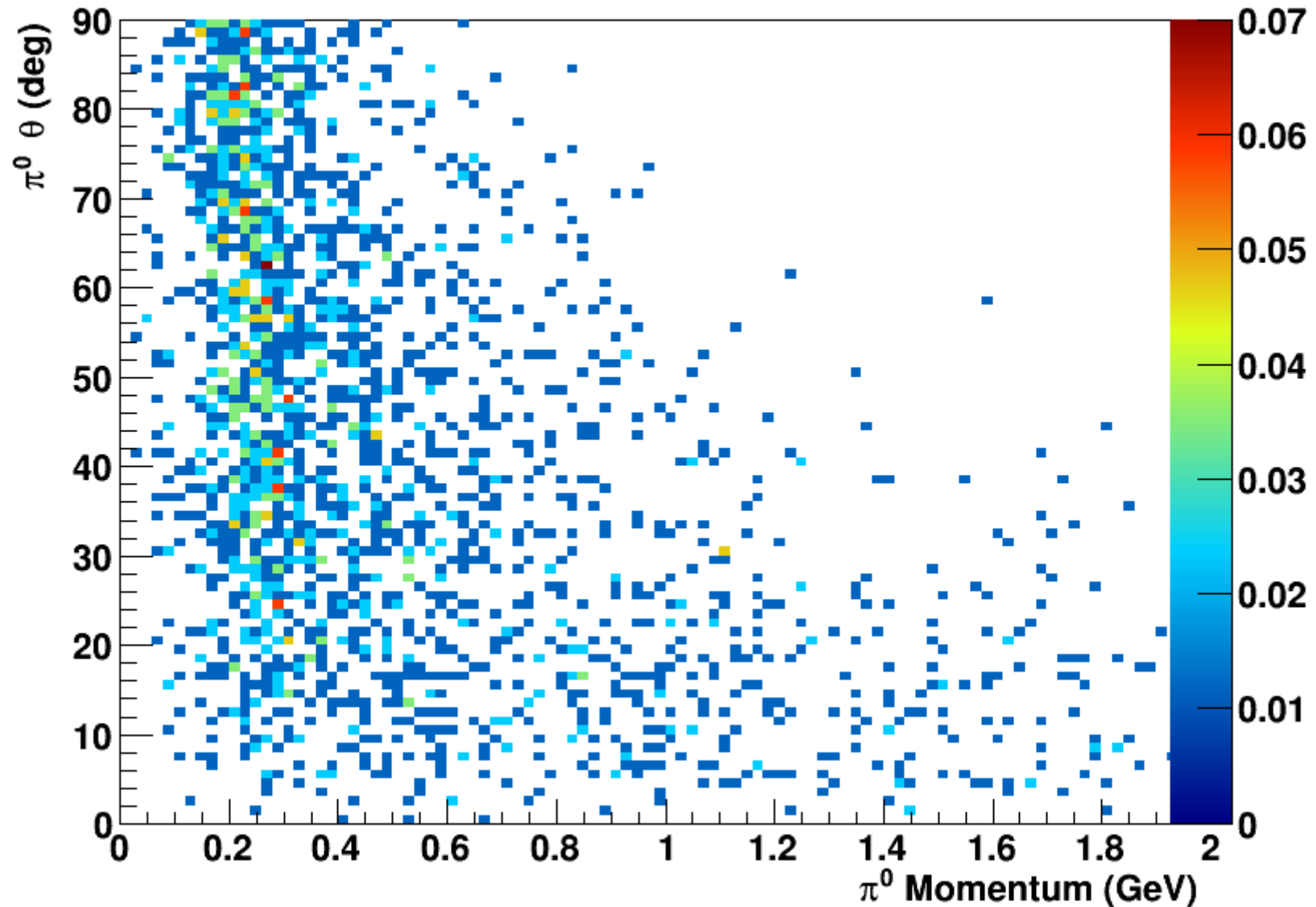


Geant4 Electro-Production

Using 11 GeV electrons on 40 cm LH2 target

Pi0 Distribution : Geant4

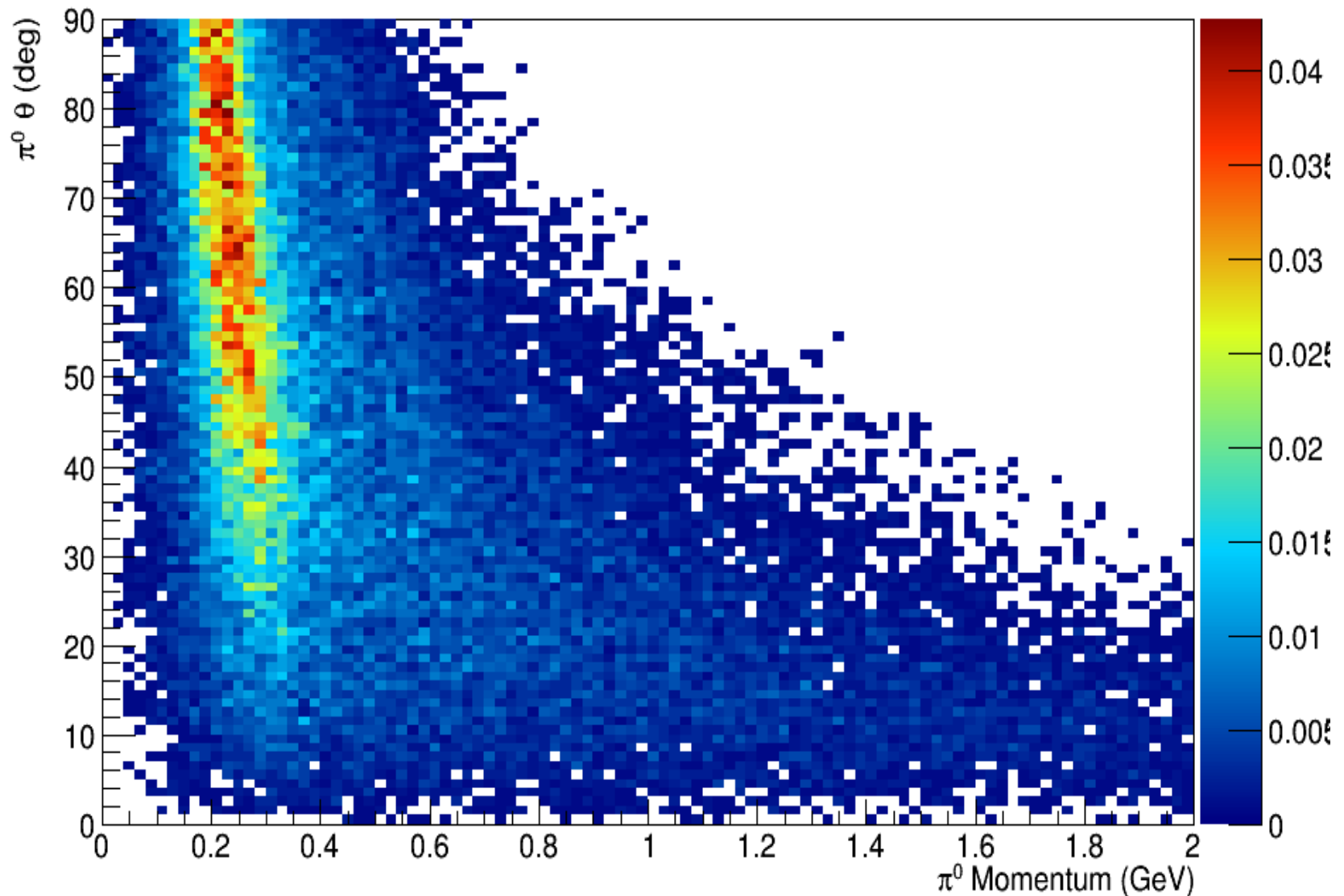
Geant4 π^0 Electro-Production : 11 GeV electron on Proton



Total cross section for Pi0 in $\theta < 90$ deg and $P < 2$ GeV is 24 μb

Pi0 Distribution : Using Hall-D Gen.

Electro-Production π^0 Kinematics from Hall D Generator



Total cross section for Pi0 in $\theta < 90$ deg and $P < 2$ GeV is $30 \mu\text{b}$