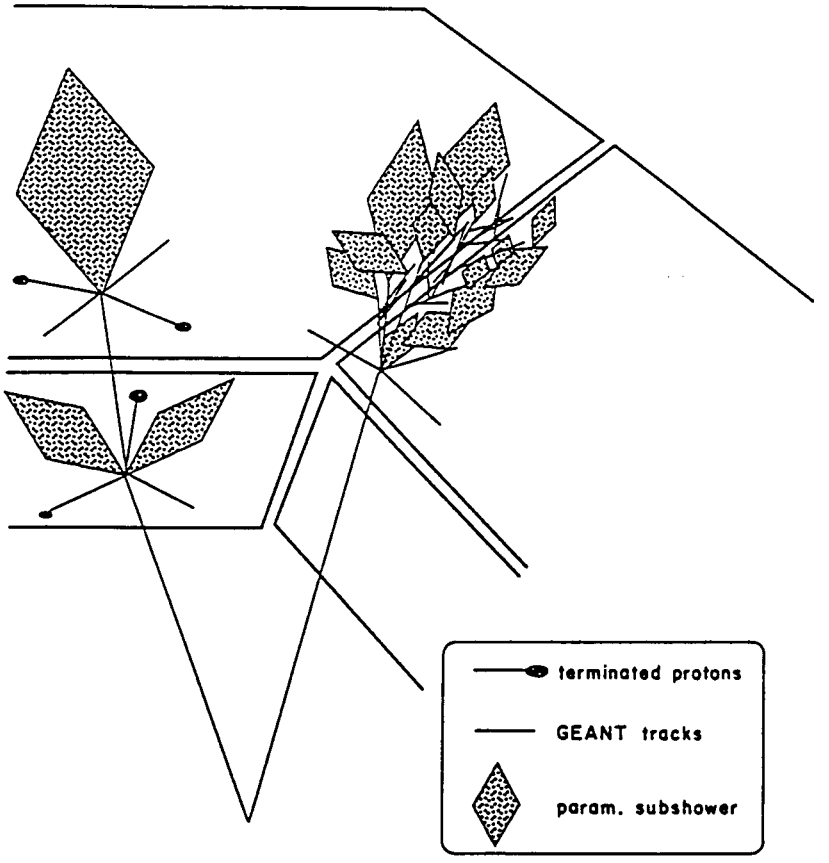
terminated protons
GEANT tracks
param. subshower