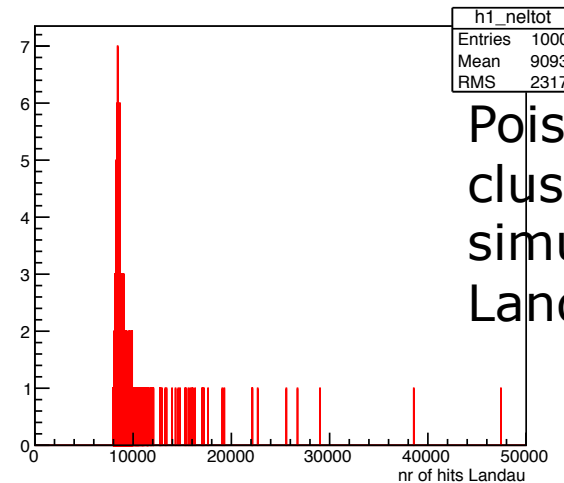
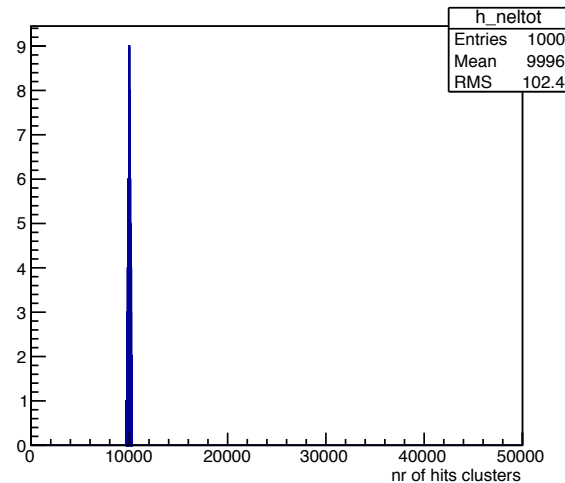


Algorithm & simulation dEdx

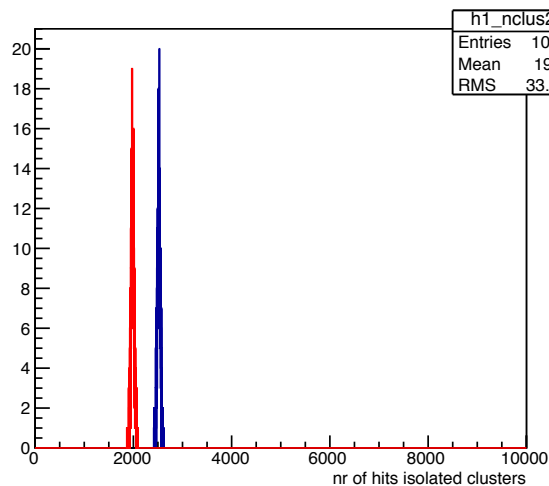
Generate hits 10k over 1 meter as Poissonian clusters and with Landau tail

Pure Poissonian cluster simulation



Poissonian cluster simulation with Landau tail

code:
www.nikhef.nl/~s01/GeneratedEdx.C



Algorithm count clusters: project hits on track with 55 micron. Merge hits that have a neighbour.

- Clusters 2516 resolution 1.3%
- Landau 1980 resolution 1.7%

Looks very good

PADs dEdx resolution 4-5%

