Subject: Energy-Loss in Geant3&4
Posted by Sebastian Neubert on Wed, 28 Nov 2007 13:25:13 GMT
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Hi!

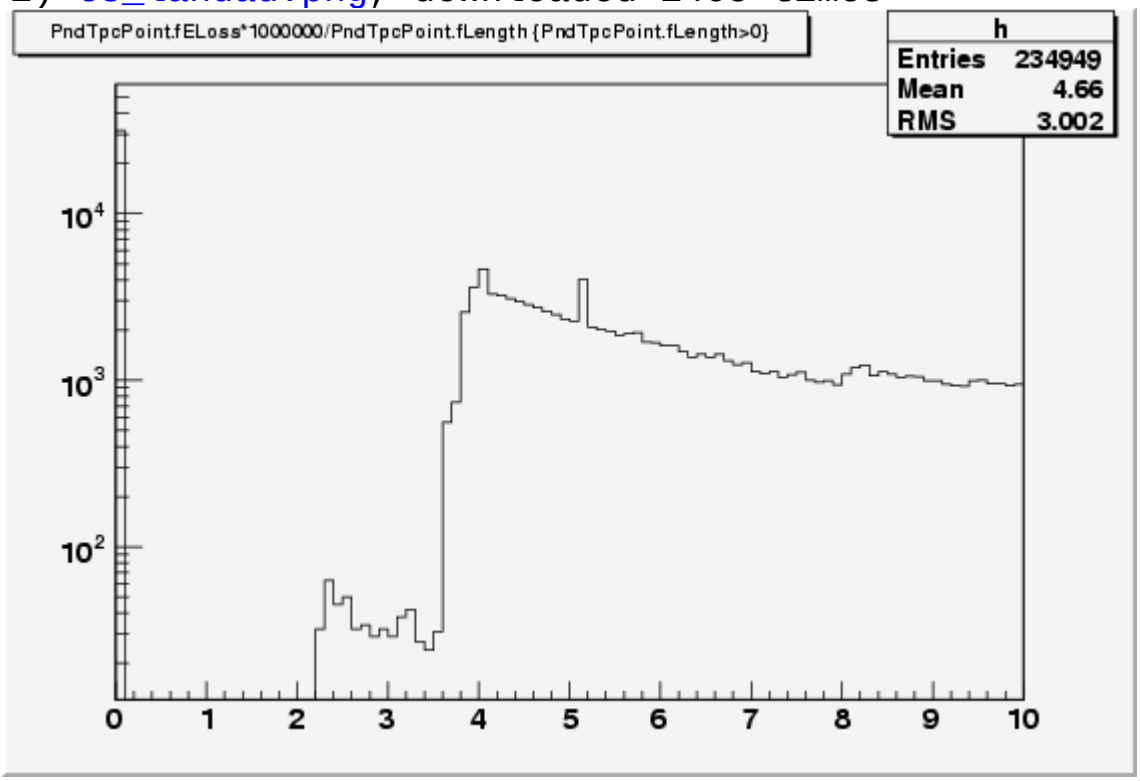
With the stepLimiter switched on there is no Landau-Energy loss anymore... see attached plots:

G3:

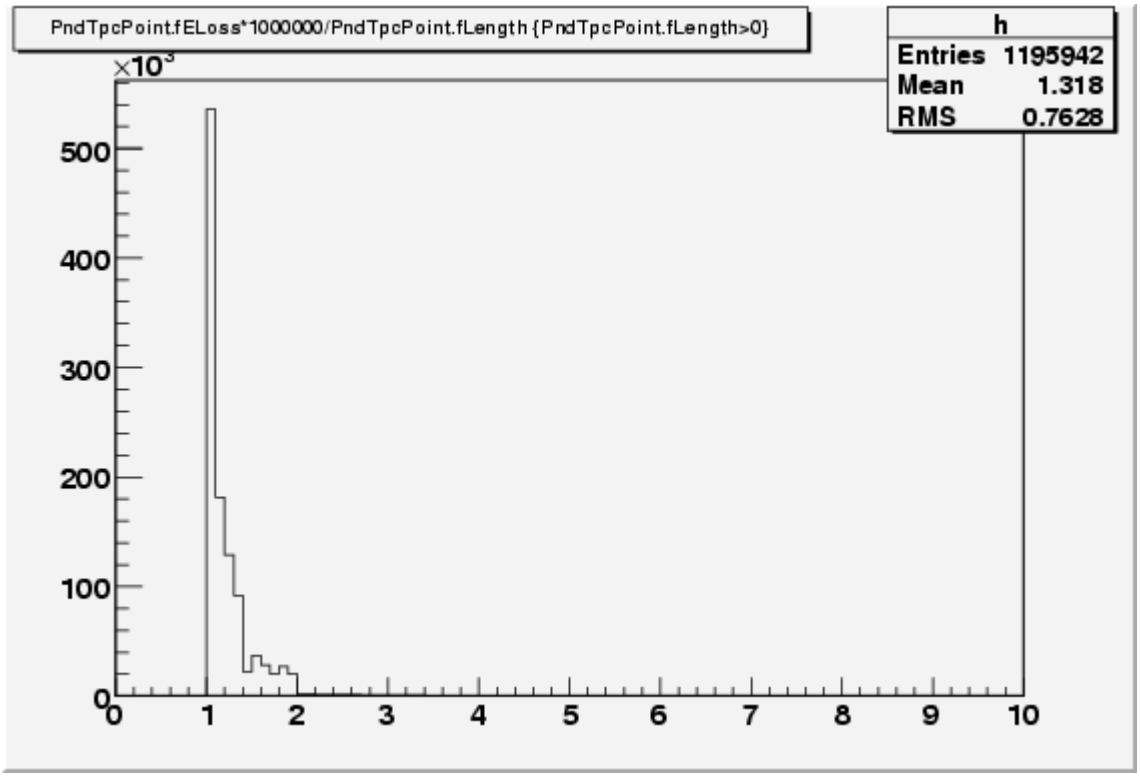
G4:

File Attachments

1) G3_landau.png, downloaded 1465 times



2) G4_landau.png, downloaded 1477 times

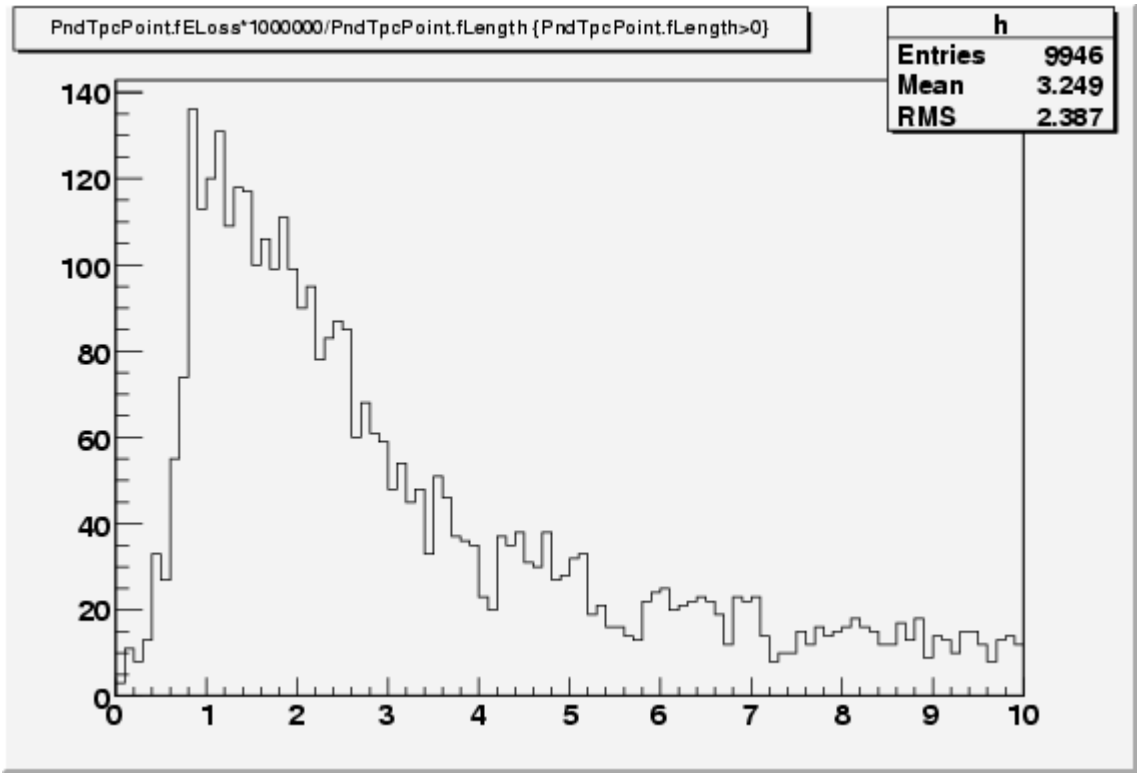


Subject: Re: Energy-Loss in Geant3&4
Posted by Sebastian Neubert on Wed, 28 Nov 2007 13:31:44 GMT
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Just for comparison this is how it looks like if I switch off the stepLimiter in G4:

File Attachments

1) G4_landau_noStepLim.png, downloaded 1279 times


PndTpcPoint.fELoss*1000000/PndTpcPoint.fLength {PndTpcPoint.fLength>0}
h
Entries 9946
Mean 3.249
RMS 2.387
140
120
100
80
60
40
20
0
0
1
2
3
4
5
6
7
8
9
10