
Subject: Energy-Loss in Geant3&4

Posted by [Sebastian Neubert](#) on Wed, 28 Nov 2007 13:25:13 GMT

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Hi!

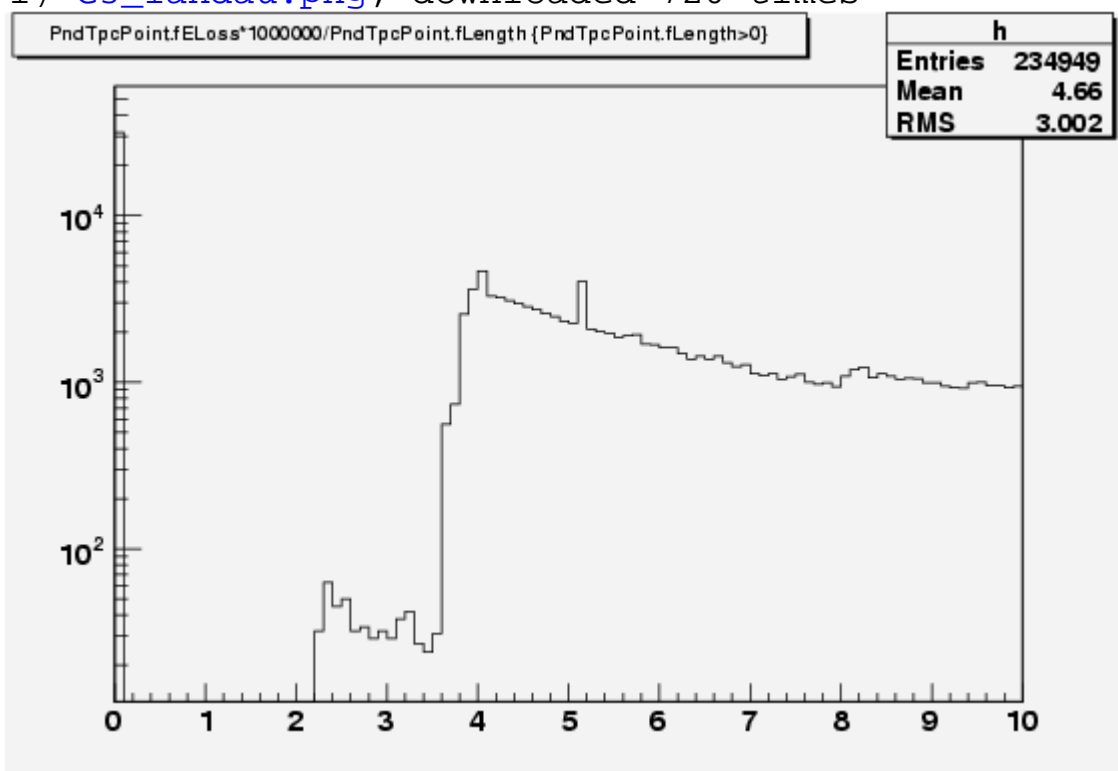
With the stepLimiter switched on there is no Landau-Energy loss anymore... see attached plots:

G3:

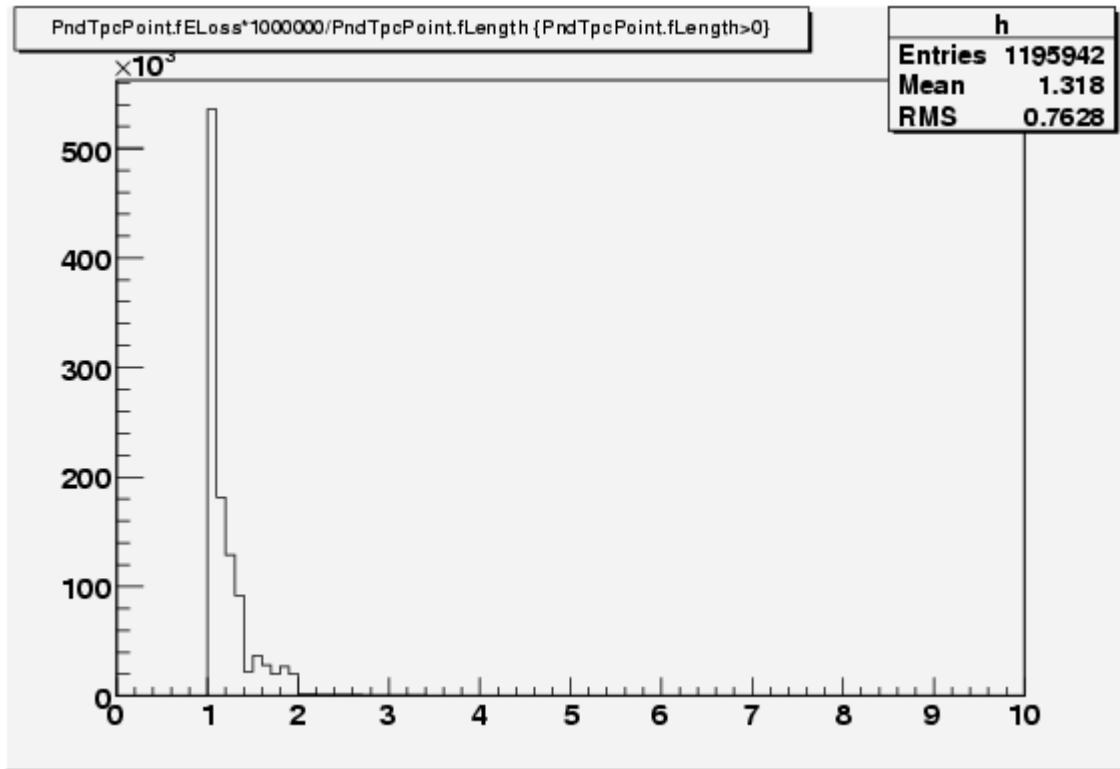
G4:

File Attachments

1) [G3_landau.png](#), downloaded 720 times



2) [G4_landau.png](#), downloaded 656 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 594 times

PndTpcPoint.fELoss*1000000/PndTpcPoint.fLength {PndTpcPoint.fLength>0}

| h | |
|---------|-------|
| Entries | 9946 |
| Mean | 3.249 |
| RMS | 2.387 |

