Subject: Re: Stepsize in TPC Simulation with new external packages
Posted by Viola Michael on Fri, 30 Nov 2007 16:17:48 GMT
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Hi!

I have a question concerning the stepsize limitation and the effects on De/dx. I have plotted the MC-Energyloss over Length
(Pion+, Mometum=0.5 Gev/c, 100 Events)
with Options
"specialCuts+specialControls" in G4Config.C, it looks fine to me, like a landau, as expected:

I have plotted the stepsizes, too:

And now my problem: i need stepsize limitation, i turned it on with Option:
"specialCuts+specialControls+stepLimiter" (everything else unchanged)
there is stepsize limitation, like i have befor with the old Release, but my de/dx-MC data is broken:

(stepsize limitation works:)

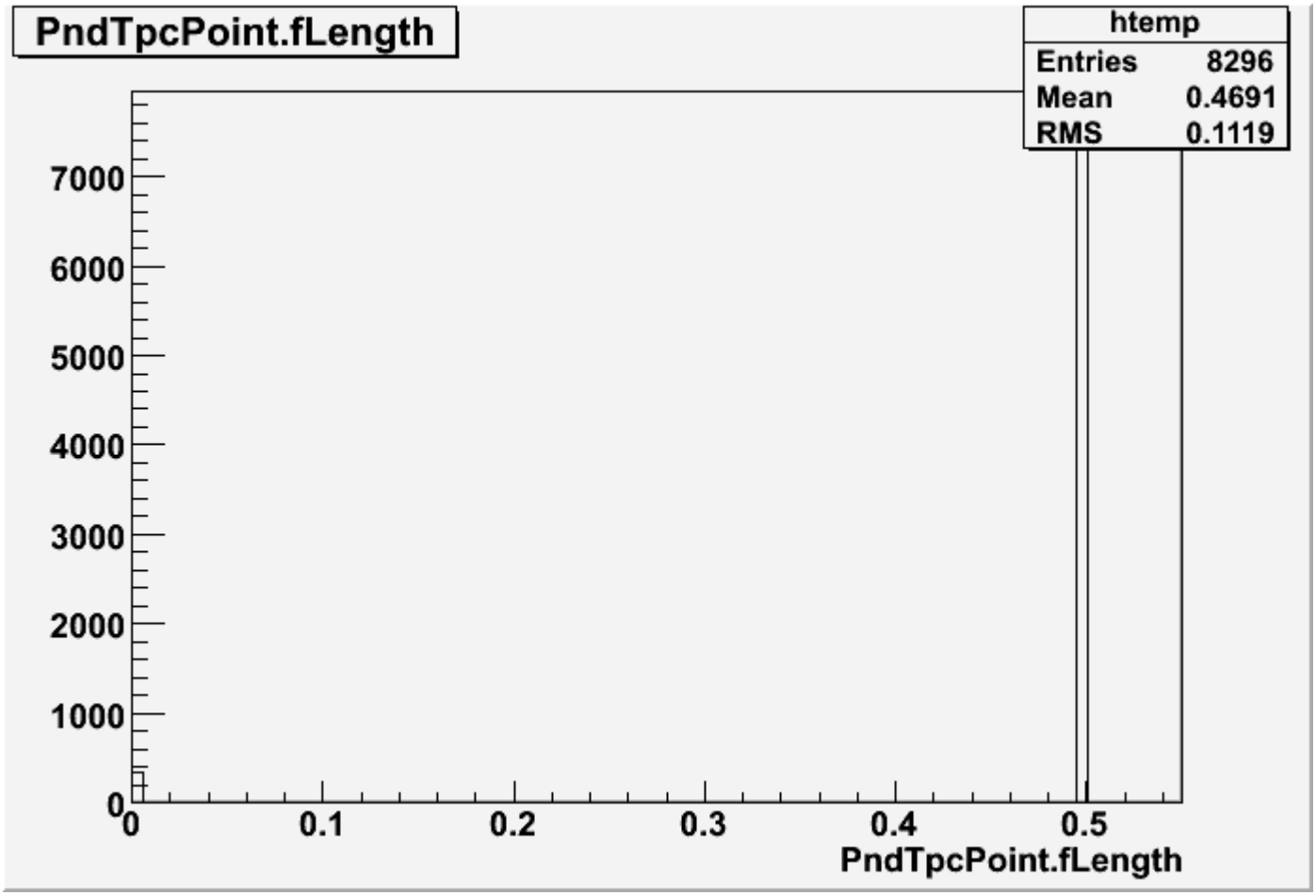
What do i have to do to fix this?

Thanks in advance!

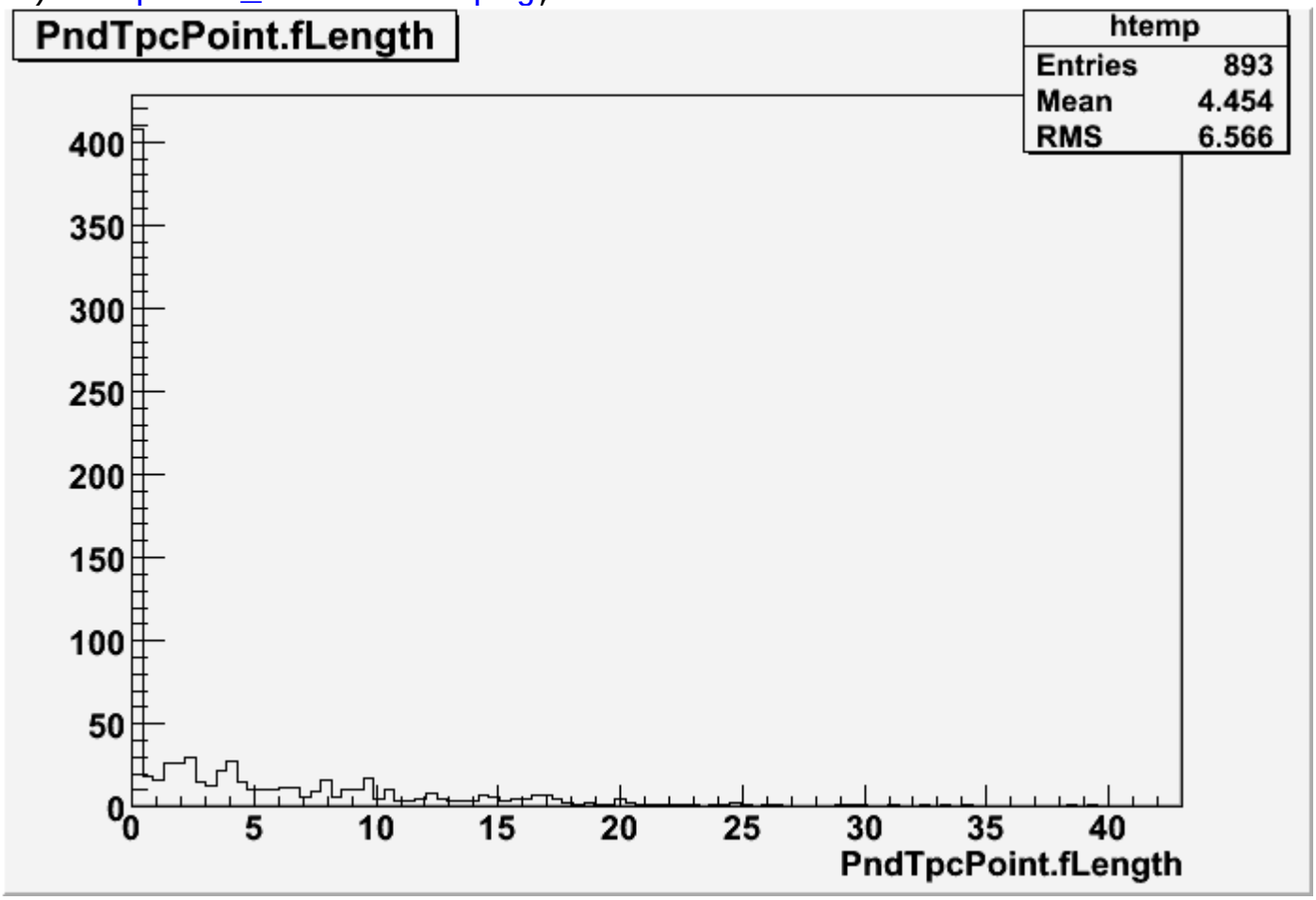
Viola

File Attachments

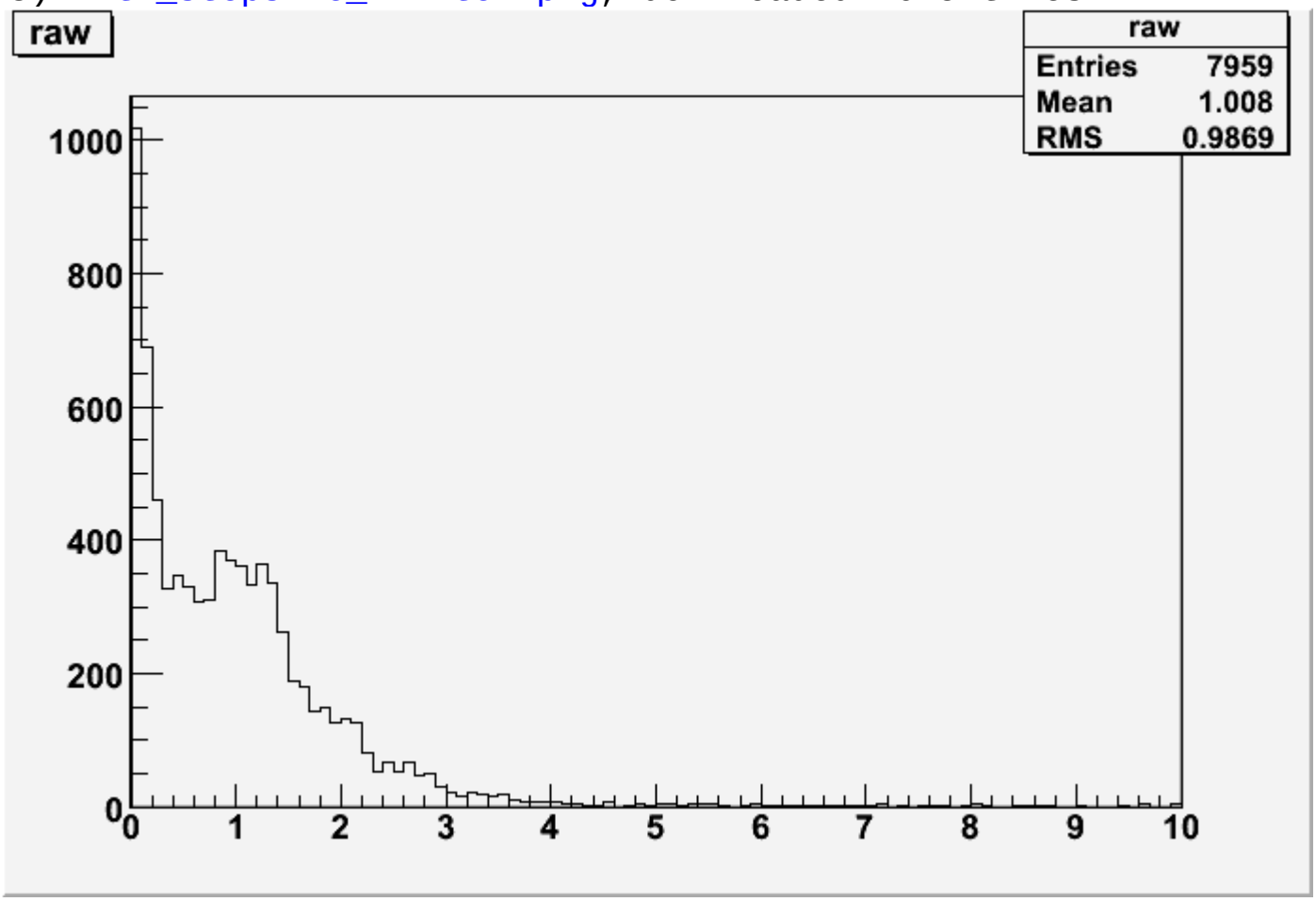
1) stepsize_limited.png, downloaded 1647 times



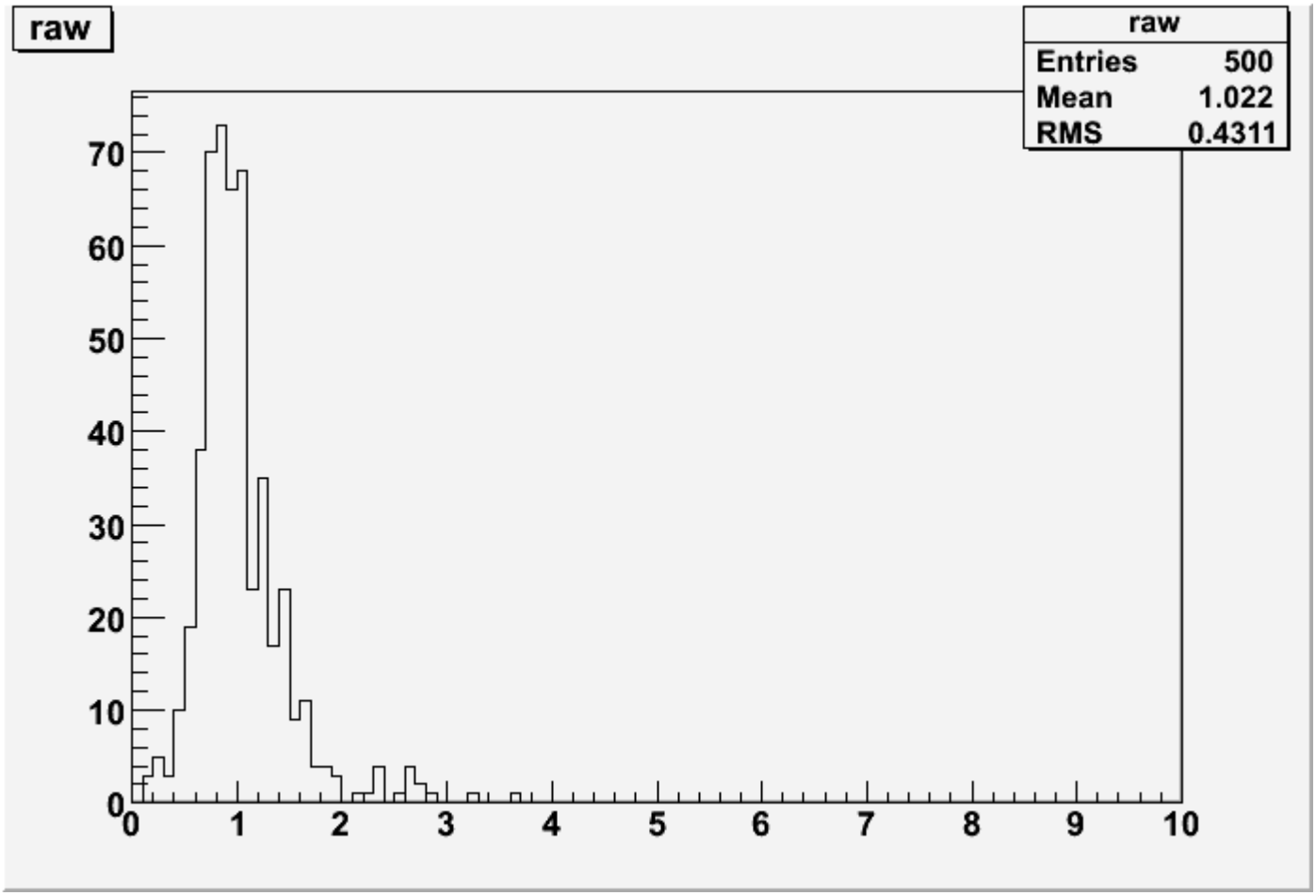
2) stepsize_unlimited.png, downloaded 1672 times



3) with_stepsize_limiter.png, downloaded 1645 times



4) without_stepsize_limiter.png, downloaded 1635 times


raw
raw
Entries 500
Mean 1.022
RMS 0.4311
70
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