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:
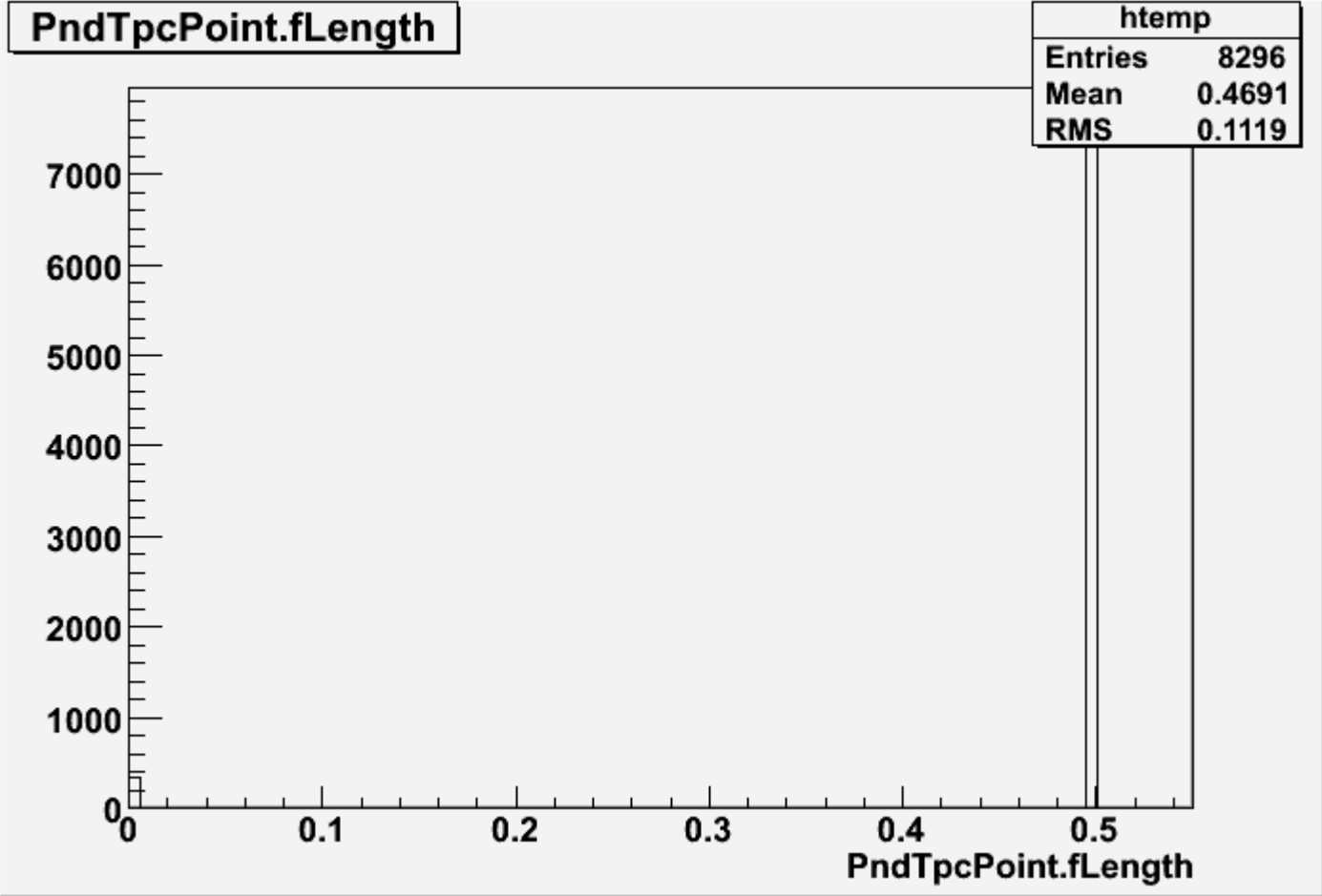
(stepsize limitation works:)
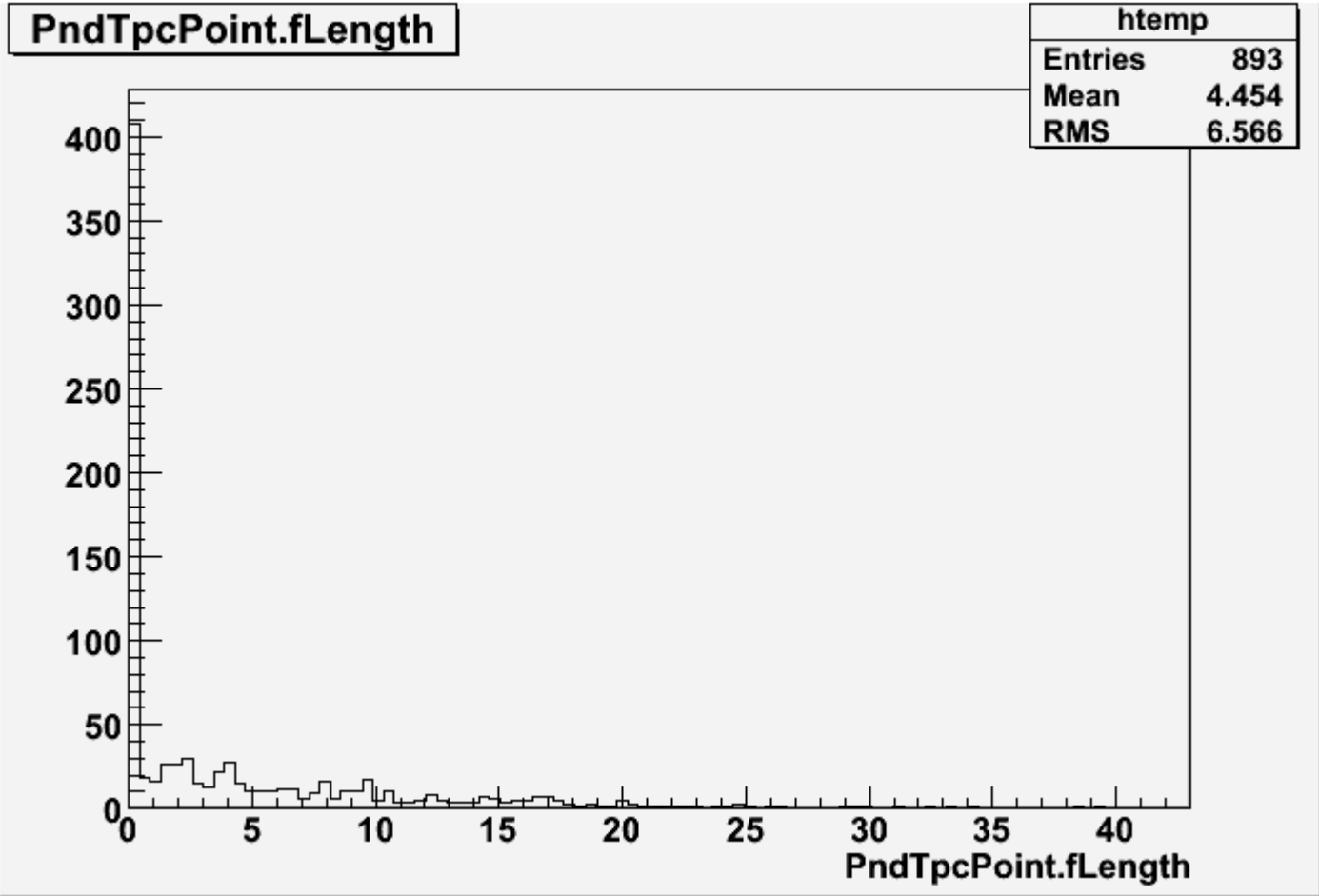
What do i have to do to fix this?
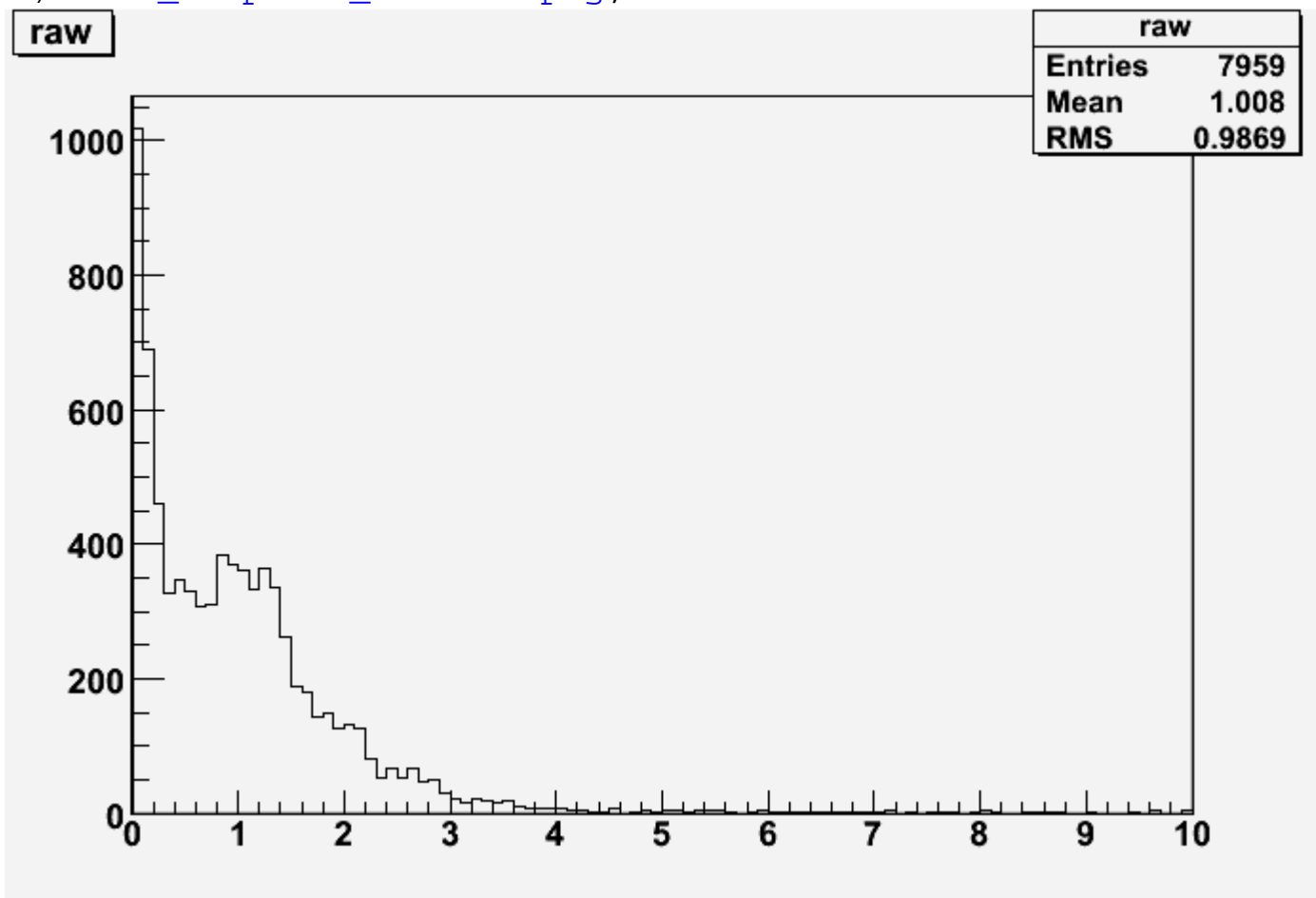
Thanks in advance!

Viola

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File Attachments
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PndTpcPoint.fLength

htemp	
Entries	8296
Mean	0.4691
RMS	0.1119

2) stepsize_unlimited.png, downloaded 1040 times

PndTpcPoint.fLength

htemp	
Entries	893
Mean	4.454
RMS	6.566

3) with_stepsize_limiter.png, downloaded 1018 times

4) without_stepsize_limiter.png, downloaded 1024 times

raw

raw	
Entries	500
Mean	1.022
RMS	0.4311