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

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 728 times
2) stepsize_unlimited.png, downloaded 716 times
3) with_stepsize_limiter.png, downloaded 698 times
4) without_stepsize_limiter.png, downloaded 721 times