
Subject: Re: [Inconsistency?] ROOT 6.06 vs. 6.10
Posted by [Ralf Kliemt](#) on Wed, 06 Dec 2017 15:49:28 GMT
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It seems ROOT does not like the DIRC support structures. The GEANT stepping aborts very often with

Quote: *****

* G4Track Information: Particle = mu-, Track ID = 4, Parent ID = 0

| Step# | X(mm) | Y(mm) | Z(mm) | KinE(MeV) | dE(MeV) | StepLeng | TrackLeng | NextVolume |
|-------|-------|-------|-------|-----------|---------|----------|--------------------|----------------|
| 10002 | 343 | -288 | 446 | 1.86e+03 | 0 | 0 | 632 DrcBarSupportS | Transportation |
| 10003 | 343 | -288 | 446 | 1.86e+03 | 0 | 0 | 632 DrcBarSupportS | Transportation |
| 10004 | 343 | -288 | 446 | 1.86e+03 | 0 | 0 | 632 DrcBarSupportS | Transportation |
| 10005 | 343 | -288 | 446 | 1.86e+03 | 0 | 0 | 632 DrcBarSupportS | Transportation |

I contacted Roman to investigate further. Attached you'll find my comparison plots with and without the whole DIRC.

Ralf

File Attachments

- 1) [comparing-all.pdf](#), downloaded 441 times
 - 2) [comparing-nodrc.pdf](#), downloaded 384 times
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