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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  
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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

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- 1) [comparing-all.pdf](#), downloaded 211 times
  - 2) [comparing-nodrc.pdf](#), downloaded 153 times
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