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Subject: Re: Problem with including targets in simulation  
Posted by [Dmytro Kresan](#) on Wed, 21 Oct 2015 08:19:15 GMT  
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Hi Ina,

geometry files and macros for target need to be updated. The problem that the logical volume can not be placed directly into the TOP volume. All nodes of a detector have to go to the keeping volume. The fix in the file create\_target\_geo.C (lines 194 - 195)

Previously:

```
TGeoCombiTrans* pGlobal = GetGlobalPosition(pMatrix);  
gTop->AddNode(pleadTarget_log, 0, pGlobal);
```

Fixed:

```
TGeoVolumeAssembly *target_top = new TGeoVolumeAssembly("LeadTarget");  
target_top->AddNode(pleadTarget_log, 0, pMatrix);
```

```
TGeoCombiTrans* pGlobal = GetGlobalPosition(pMatrix);  
gTop->AddNode(target_top, 0, pGlobal);
```

We will also put the changes to the repository, including modifications for ROOT 6 support.

Best regards,  
Dima

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