
Subject: Re: negative masses in geometry (TG3)

Posted by [Mohammad Al-Turany](#) on Wed, 20 Apr 2011 20:56:17 GMT

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Hi Olaf,

I am not able to reproduce this negative values! which macros you use? I tried the sim_complete_stt.C (using FullSuperconductingSolenoid_v831.root and switching off the MDT magnet). but I get the following:

```
Quote:root [7] gGeoManager->GetVolume("Supporto2")->Capacity()
(const Double_t)2.77439999997116217e+02
```

However, checking the overlaps it looks very bad:

```
Quote: root [3] gGeoManager->CheckOverlaps()
```

```
Info in <TGeoNodeMatrix::CheckOverlaps>: Checking overlaps for cave and daughters within 0.1
```

```
Warning in <TGeoChecker::CheckOverlaps>: Volume SuperconductingSolenoidov831 with 3 daughters but not voxelized
```

```
Warning in <TGeoChecker::CheckOverlaps>: Volume Cryostatov830o2 with 12 daughters but not voxelized
```

```
Warning in <TGeoChecker::CheckOverlaps>: Volume SuperconductingCoilov831 with 3 daughters but not voxelized
```

```
Check overlaps:  [=====] 477699 [100.00 %] TIME 00:18:20
```

```
Info in <TGeoNodeMatrix::CheckOverlaps>: Number of illegal overlaps/extrusions : 391
```

regards

Mohammad
