Subject: Re: segmentation violation in sim macro
Posted by StefanoSpataro on Tue, 17 Apr 2012 07:34:33 GMT
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These are the overlaps I found:

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========================================================================
STAGE 1: Overlap checking by sampling within 10 microns
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Info in <TGeoNodeMatrix::CheckOverlaps>: Checking overlaps for cave and daughters within 0.001
Info in <TGeoNodeMatrix::CheckOverlaps>: Checking overlaps by sampling <s> for cave and daughters
Info in <TGeoNodeMatrix::CheckOverlaps>: === NOTE: Extrusions NOT checked with sampling option ! ===
Info in <TGeoChecker::CheckOverlapsBySampling>: #Found 3 overlaps adding-up to 243696 +/- 59105.1 [cm3] for daughters of cave
Info in <TGeoChecker::CheckOverlapsBySampling>: #Found 1 overlaps adding-up to 241.868 +/- 80.6227 [cm3] for daughters of FullSuperConductingSolenoidov831
Info in <TGeoChecker::CheckOverlapsBySampling>: #Found 2 overlaps adding-up to 53.7485 +/- 26.8742 [cm3] for daughters of Cryostatov830o2
Info in <TGeoChecker::CheckOverlapsBySampling>: #Found 14 overlaps adding-up to 271853 +/- 3783.04 [cm3] for daughters of ms
Info in <TGeoChecker::CheckOverlapsBySampling>: #Found 39 overlaps adding-up to 54.7304 +/- 7.44786 [cm3] for daughters of stt01assembly
Info in <TGeoChecker::CheckOverlapsBySampling>: #Found 4 overlaps adding-up to 21.1596 +/- 1.9236 [cm3] for daughters of Mvd-2.1o(Central-Mvd)
Info in <TGeoChecker::CheckOverlapsBySampling>: #Found 1 overlaps adding-up to 161.725 +/- 5.13996 [cm3] for daughters of Mvd-2.1oSupport
Info in <TGeoChecker::CheckOverlapsBySampling>: #Found 1 overlaps adding-up to 10173.3 +/- 34.6547 [cm3] for daughters of Mvd-SupportoGlobalFwd
Info in <TGeoChecker::CheckOverlapsBySampling>: #Found 1 overlaps adding-up to 0.000317423 +/- 0.000317423 [cm3] for daughters of SupportoPbloConeo1oIIoaoi
Info in <TGeoChecker::CheckOverlapsBySampling>: #Found 1 overlaps adding-up to 0.000251923 +/- 0.000251923 [cm3] for daughters of Mvd-SupportoBl1
Info in <TGeoChecker::CheckOverlapsBySampling>: #Found 1 overlaps adding-up to 0.00211537 +/- 0.00211537 [cm3] for daughters of Mvd-SupportoBl2
Info in <TGeoChecker::CheckOverlapsBySampling>: #Found 2 overlaps adding-up to 1.27581e-06 +/- 9.02136e-07 [cm3] for daughters of StripoSensoTrapS
Info in <TGeoChecker::CheckOverlapsBySampling>: #Found 1 overlaps adding-up to 504.96 +/- 4.20815 [cm3] for daughters of Mvd-2.1oComponents
Info in <TGeoChecker::CheckOverlapsBySampling>: #Found 1 overlaps adding-up to 820.503 +/- 4.81327 [cm3] for daughters of Mvd-ComponentsoConoElectronics
Info in <TGeoChecker::CheckOverlapsBySampling>: #Found 1 overlaps adding-up to 495.58 +/- 3.58834 [cm3] for daughters of Mvd-ComponentsoMctrl
Error in <TGeoChecker::CheckOverlapsBySampling>: No point inside volume!!! - aborting
Error in <TGeoChecker::CheckOverlapsBySampling>: No point inside volume!!! - aborting
Error in <TGeoChecker::CheckOverlapsBySampling>: No point inside volume!!! - aborting
Error in <TGeoChecker::CheckOverlapsBySampling>: No point inside volume!!! - aborting
Error in <TGeoChecker::CheckOverlapsBySampling>: No point inside volume!!! - aborting
Info in <TGeoChecker::CheckOverlapsBySampling>: #Found 1 overlaps adding-up to 368.516 +/- 3.14021 [cm3] for daughters of Mvd-ComponentsoSmd
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Error in <TGeoChecker::CheckOverlapsBySampling>: No point inside volume!!! - aborting
Error in <TGeoChecker::CheckOverlapsBySampling>: No point inside volume!!! - aborting
Info in <TGeoChecker::CheckOverlapsBySampling>: #Found 1 overlaps adding-up to 8.22292 +/- 1.03599 [cm3] for daughters of Mvd-2.1oRouting
Error in <TGeoChecker::CheckOverlapsBySampling>: No point inside volume!!! - aborting
Info in <TGeoChecker::CheckOverlapsBySampling>: #Found 1 overlaps adding-up to 4.7643e-05 +/- 3.36887e-05 [cm3] for daughters of CoolingoInsulationo3oIIoBundle
Info in <TGeoChecker::CheckOverlapsBySampling>: #Found 1 overlaps adding-up to 0.168498 +/- 0.119146 [cm3] for daughters of Mvd-RoutingoBl4
Info in <TGeoChecker::CheckOverlapsBySampling>: #Found 1 overlaps adding-up to 281.829 +/- 5.77815 [cm3] for daughters of Mvd-RoutingoPfwd
Error in <TGeoChecker::CheckOverlapsBySampling>: No point inside volume!!! - aborting

I can see many overlaps with MVD, overlaps also with stt (these are new), and overlaps in the magnet.
Plenty of things to fix for detector experts...
