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Subject: Re: Problems with EMC backward endcap geometry  
Posted by [Tobias Stockmanns](#) on Thu, 07 Aug 2014 08:46:17 GMT

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Dear EMC developers,

I can confirm the problem of Stefano in the latest external packages jul14. With the EMC the Geometry cannot be written properly at the end of the simulation macro.

I get a segmentation violation with the following output:

```
*** Break *** segmentation violation
Generating stack trace...
0x0000000101691cab in (anonymous namespace)::TerminalConfigUnix__handleSignal(int)
(in libCore.5.so) + 27
0x00007fff9344b5aa in _sigtramp (in libsystem_platform.dylib) + 26
0x00007fc44be8f360 in <unknown function>
0x000000010159d094 in TClass::GetActualClass(void const*) const (in libCore.5.so) + 196
0x0000000102d17ae5 in TBufferFile::WriteObjectAny(void const*, TClass const*) (in
libRIO.so) + 181
0x000000010155d714 in operator<<(TBuffer&, TObject const*) (in libCore.5.so) + 68
0x00000001015695ec in TObjArray::Streamer(TBuffer&) (in libCore.5.so) + 716
0x00000001015a5c32 in TClass::StreamerTObjectInitialized(void*, TBuffer&, TClass const*)
const (in libCore.5.so) + 66
0x0000000102d1d0a9 in TClass::Streamer(void*, TBuffer&, TClass const*) const (in
libRIO.so) + 137
0x0000000102d1693c in TBufferFile::WriteFastArray(void**, TClass const*, int, bool,
TMemberStreamer*) (in libRIO.so) + 476
0x0000000102f80283 in int TStreamerInfo::WriteBufferAux<char**>(TBuffer&, char** const&,
int, int, int, int) (in libRIO.so) + 19651
0x0000000102dd578f in TStreamerInfoActions::GenericWriteAction(TBuffer&, void*,
TStreamerInfoActions::TConfiguration const*) (in libRIO.so) + 111
0x0000000102d1d915 in TStreamerInfoActions::TConfiguredAction::operator()(TBuffer&,
void*) const (in libRIO.so) + 53
0x0000000102d1c032 in
TBufferFile::ApplySequence(TStreamerInfoActions::TActionSequence const&, void*) (in
libRIO.so) + 994
0x0000000102d1bb87 in TBufferFile::WriteClassBuffer(TClass const*, void*) (in libRIO.so) +
583
0x000000010320d53f in TGeoManager::Streamer(TBuffer&) (in libGeom.so) + 207
0x00000001015b3160 in TClass::StreamerTObject(void*, TBuffer&, TClass const*) const (in
libCore.5.so) + 96
0x0000000102d1d0a9 in TClass::Streamer(void*, TBuffer&, TClass const*) const (in
libRIO.so) + 137
0x0000000102d179cc in TBufferFile::WriteObjectClass(void const*, TClass const*) (in
libRIO.so) + 572
0x0000000102d17c9d in TBufferFile::WriteObjectAny(void const*, TClass const*) (in
libRIO.so) + 621
0x000000010b087cd5 in FairGeoParSet::Streamer(TBuffer&) (in libBase.so)
(G__BaseDict.cxx:4151)
0x0000000102d973cb in TKey::TKey(TObject const*, char const*, int, TDirectory*) (in
libRIO.so) + 939
0x0000000102d97013 in TKey::TKey(TObject const*, char const*, int, TDirectory*) (in
```

libRIO.so) + 51  
0x0000000102d3eb31 in TFile::CreateKey(TDirectory\*, TObject const\*, char const\*, int) (in libRIO.so) + 97  
0x0000000102d2c0da in TDirectoryFile::WriteTObject(TObject const\*, char const\*, char const\*, int) (in libRIO.so) + 1642  
0x00000001014cacdc in TObject::Write(char const\*, int, int) const (in libCore.5.so) + 380  
0x00000001014cae1e in TObject::Write(char const\*, int, int) (in libCore.5.so) + 62  
0x000000010af6c993 in FairDetParRootFileIo::write(FairParSet\*) (in libParBase.so)  
(FairParSet.h:66)  
0x000000010af78a9c in FairRuntimeDb::writeContainer(FairParSet\*, FairRtdbRun\*, FairRtdbRun\*) (in libParBase.so) (FairRuntimeDb.cxx:416)  
0x000000010af787e5 in FairRuntimeDb::writeContainers() (in libParBase.so)  
(FairRuntimeDb.cxx:299)  
0x000000010af794d9 in FairRuntimeDb::saveOutput() (in libParBase.so)  
(FairRuntimeDb.cxx:778)  
0x000000010af9df56 in G\_\_G\_\_ParBaseDict\_286\_0\_31(G\_\_value\*, char const\*, G\_\_param\*, int) (in libParBase.so) (G\_\_ParBaseDict.cxx:6115)  
0x0000000101f60214 in Cint::G\_\_ExceptionWrapper(int (\*)(G\_\_value\*, char const\*, G\_\_param\*, int), G\_\_value\*, char\*, G\_\_param\*, int) (in libCint.5.so) + 148  
0x000000010209ab52 in G\_\_execute\_call (in libCint.5.so) + 98  
0x000000010209b496 in G\_\_call\_cppfunc (in libCint.5.so) + 1830  
0x0000000102058bd5 in G\_\_interpret\_func (in libCint.5.so) + 4965  
0x000000010203afdd in G\_\_getfunction (in libCint.5.so) + 9965  
0x00000001021deb04 in G\_\_getstructmem(int, G\_\_FastAllocString&, char\*, int, char\*, int\*, G\_\_var\_array\*, int) (in libCint.5.so) + 4884  
0x00000001021cd83b in G\_\_getvariable (in libCint.5.so) + 3243  
0x0000000102029adc in G\_\_getitem (in libCint.5.so) + 2732  
0x0000000102028404 in G\_\_getexpr (in libCint.5.so) + 87268  
0x00000001020f310f in G\_\_exec\_function(G\_\_FastAllocString&, int\*, int\*, int\*, G\_\_value\*) (in libCint.5.so) + 383  
0x00000001020e8459 in G\_\_exec\_statement (in libCint.5.so) + 32121  
0x000000010205c130 in G\_\_interpret\_func (in libCint.5.so) + 18624  
0x000000010203bf62 in G\_\_getfunction (in libCint.5.so) + 13938  
0x0000000102029bbd in G\_\_getitem (in libCint.5.so) + 2957  
0x0000000102028404 in G\_\_getexpr (in libCint.5.so) + 87268  
0x0000000102012e55 in G\_\_calc\_internal (in libCint.5.so) + 1237  
0x00000001020fe986 in G\_\_process\_cmd (in libCint.5.so) + 20342  
0x000000010157f7ae in TCint::ProcessLine(char const\*, TInterpreter::EErrorCode\*) (in libCore.5.so) + 622  
0x000000010158000f in TCint::ProcessLineSynch(char const\*, TInterpreter::EErrorCode\*) (in libCore.5.so) + 191  
0x000000010148098c in TApplication::ExecuteFile(char const\*, int\*, bool) (in libCore.5.so) + 5644  
0x000000010147f370 in TApplication::ProcessFile(char const\*, int\*, bool) (in libCore.5.so) + 48  
0x000000010147ed88 in TApplication::ProcessLine(char const\*, bool, int\*) (in libCore.5.so) + 3960  
0x00000001027be03b in TRint::Run(bool) (in libRint.5.so) + 2155  
0x0000000101469b57 in main (in root.exe) + 135  
0x00007fff8f1165fd in start (in libdyld.dylib) + 1  
0x0000000000000004 in <unknown function>  
Root > Function sim\_complete\_vis() busy flag cleared