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Subject: gGeoManager existing?

Posted by [Tobias Stockmanns](#) on Thu, 18 Oct 2007 07:50:09 GMT

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Dear pandaRooters,

I am looking for a way to figure out if a GeoManager is existing in a root session or not without crashing the program.

Unfortunately I have not found anything up to now, so I wonder if one of you can help me?

Looking forward for a positive reply,

Tobias

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Subject: Re: gGeoManager existing?

Posted by [Mohammad Al-Turany](#) on Thu, 18 Oct 2007 11:33:01 GMT

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Hallo Tobias,

There is two ways to do this:

1. if you know the name of the TGeoManager object, you can use:

```
gROOT->FindObjectAny("ObjectName")
```

this will return a pointer to TGeo if it exist or a zero if not.

in case of PandaRoot it is always created with the default name "CBMGeom".

2. In case you do not no the name, you can call:

```
gROOT->GetListOfGeometries()
```

which will return you a TSeqCollection of existing geometries (TGeoManager objects) which you can check if it is empty or has some entries which will be the existing geometries.

regards

Mohammad

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Subject: Re: gGeoManager existing?

Posted by [Tobias Stockmanns](#) on Thu, 18 Oct 2007 12:11:40 GMT

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Dear Mohammad,

thank you for your fast reply. I will try the options.

Cheers,

Tobias

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