
Subject: Re: How to get the orientation of a detector element?
Posted by [Stefano Spataro](#) on Thu, 10 Feb 2011 16:37:23 GMT

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Hi,
the following code was used some time ago for MVD, before using the geometry handler.
Maybe it could be useful in your case, remember that EMC crystals are not TGeoBBox but something else (TGeoTrap?)

```
TVector3 mvdPos;  
mvdHit->Position(mvdPos);
```

```
TGeoNode *mvdNode = (TGeoNode*)gGeoManager->FindNode(mvdHit->GetX(),  
mvdHit->GetY(), mvdHit->GetZ());  
TGeoVolume *mvdVol = (TGeoVolume*)mvdNode->GetVolume();  
TGeoBBox* actBox = (TGeoBBox*)(mvdVol->GetShape()); // volume of the MVD strip/pixel  
TGeoMatrix* mvdGeoRot = (TGeoMatrix*)mvdNode->GetMatrix();  
const Double_t *rotM = mvdGeoRot->GetRotationMatrix();
```
