
Subject: Access to clusters properties (bis)

Posted by [Ronald Kunne](#) on Tue, 06 Sep 2011 10:27:02 GMT

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How do I get access to Zernicke moments different from Z20, Z53 and LatMom ?

The "obvious" way to do it, using code copied from PndEmcMakeCluster.cxx, seemed to be to add to my macro:

```
lhe->AddFriend("cbmsim", "digi_emc.root");
TClonesArray* digi_array=new TClonesArray("PndEmcDigi");
lhe->SetBranchAddress("EmcDigi",&digi_array);

...

for (Int_t i=0; i<cluster_array->GetEntriesFast(); i++)
{
    PndEmcCluster *cl=(PndEmcCluster*)cluster_array->At(i);
    PndEmcXCIMoments *xCIMoments = new PndEmcXCIMoments(*cl, digi_array);
    Double_t Z42=xCIMoments->AbsZernikeMoment(4, 2, 15);
    ...
}
```

This works perfectly well for accessing for instance

```
PndEmcClusterEnergySums esum(*cl, digi_array);
```

But the call to PndEmcXCIMoments leads to the error:
gGeoManager does not exist

Thanks in advance for your help.

Ronald Kunne
