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RootCaloHit.cc

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```

////////////////////////////////////
//
#include "RootCaloHit.hh"
#include <iostream>
ClassImp(RootCaloHit)

////////////////////////////////////
//
RootCaloHit::RootCaloHit():theTotalEdep(0),theParticleList(0)
{
    // theVolume="";
    theDet=-1000;
}

////////////////////////////////////
//
//RootCaloHit::RootCaloHit(TString aVolume,double aTotalEdep,std::map<int,double
> aEdep)
RootCaloHit::RootCaloHit(int aDetID, double aTotalEdep,std::map<int,double> aEde
p)
{
    // theVolume      = aVolume;
    theDet            = aDetID;
    theTotalEdep      = aTotalEdep;
    theEdep           = aEdep;
    for(std::map<int,double>::iterator i = theEdep.begin();i!=theEdep.end();i++){
        theParticleList.push_back(i->first);
    }
}

////////////////////////////////////
//
RootCaloHit::~RootCaloHit()
{;}

////////////////////////////////////
//
RootCaloHit::RootCaloHit(const RootCaloHit& right) : TObject()
{
    // theVolume      = right.theVolume;
    theDet            = right.theDet;
    theTotalEdep      = right.theTotalEdep;
    theEdep           = right.theEdep;
    theParticleList   = right.theParticleList;
}

////////////////////////////////////
//
double RootCaloHit::GetEdep(int aTkID)
{
    if(theEdep.find(aTkID)==theEdep.end()){
        std::cout<<"You are asking the wrong track ID = "<<aTkID<<" try with one of these ";
        for(unsigned int i=0;i<theParticleList.size();i++)
            std::cout<<theParticleList[i]<<" ";
        std::cout<<" "<<std::endl;
        return 0;
    }else{
        return theEdep[aTkID];
    }
}

```