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TrackerHit.hh
 Nov 24, 14 11:09
                                                                      Page 1/2
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#ifndef TrackerHit h
#define TrackerHit h 1
#include "G4VHit.hh"
#include "G4THitsCollection.hh"
#include "G4Allocator.hh"
#include "G4ThreeVector.hh"
class TrackerHit : public G4VHit
public:
 TrackerHit();
 TrackerHit(G4ThreeVector,G4ThreeVector,G4double,G4double,G4double,G4int,unsign
ed int, unsigned int, G4double, G4double);
 ~TrackerHit();
 TrackerHit(const TrackerHit &right);
 const TrackerHit& operator=(const TrackerHit &right);
 G4int operator == (const TrackerHit &right) const;
 inline void *operator new(size_t);
 inline void operator delete(void *aHit);
 void Draw();
 void Print();
 void SetExitPoint(G4ThreeVector aExit);
 void AddEnergyLoss(G4double aEloss);
 inline G4ThreeVector GetEntryPoint(){return theEntryPoint;}
inline G4ThreeVector GetExitPoint(){return theExitPoint;}
 inline G4double GetMomentum(){return theMomentum;}
 inline G4double GetToF(){return theTimeOfFlight;}
inline G4double GetELoss(){return theEnergyLoss;}
 inline G4int GetParticleType(){return theParticleType;}
 inline unsigned int GetDetectorId(){return theDetectorId;}
 inline unsigned int GetTrackId(){return theTrackIdInHit;}
 inline G4double GetThetaAtEntry(){return theThetaAtEntry;}
 inline G4double GetPhiAtEntry() {return thePhiAtEntry;}
private:
 G4ThreeVector theEntryPoint;
 G4ThreeVector theExitPoint;
 G4double theMomentum;
```

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                                    TrackerHit.hh
 Nov 24, 14 11:09
                                                                        Page 2/2
  G4double theTimeOfFlight;
  G4double theEnergyLoss;
  G4int theParticleType;
 unsigned int theDetectorId;
  unsigned int theTrackIdInHit;
  G4double theThetaAtEntry;
  G4double thePhiAtEntry;
typedef G4THitsCollection<TrackerHit> TrackerHitsCollection;
extern G4Allocator<TrackerHit> TrackerHitAllocator;
inline void* TrackerHit::operator new(size_t)
 aHit = (void *) TrackerHitAllocator.MallocSingle();
 return aHit;
inline void TrackerHit::operator delete(void *aHit)
 TrackerHitAllocator.FreeSingle((TrackerHit*) aHit);
#endif
```