

## BDSPlanckEngine

- itsTemperature  
- kT  
- itsFourMom  
- a  
- b  
- c  
- x1  
- x2  
- TotalArea  
- area1  
- area2  
- area3  
- ntryMax

+ BDSPlanckEngine()  
+ ~BDSPlanckEngine()  
+ PerformPlanck()  
+ SetTemperature()  
- PlanckSpectrum()

## BDSComptonEngine

- itsScatteredEl  
- itsScatteredGam  
- itsIncomingEl  
- itsIncomingGam  
- ntryMax

+ BDSComptonEngine()  
+ BDSComptonEngine()  
+ ~BDSComptonEngine()  
+ PerformCompton()  
+ PerformHighEnergyCompton()  
+ PerformHighEnergyCompton2()  
+ ComptonDifferentialCrossSection()  
+ PeakAmplitudeOfComptonDifferentialCrossSection()  
+ SetIncomingPhoton4Vec()  
+ SetIncomingElectron4Vec()  
+ GetScatteredElectron()  
+ GetScatteredGamma()

itsPlanckEngine      itsComptonEngine

## BDSPlanckScatter

- itsTemperature  
- itsComptonEngine  
- itsPlanckEngine  
- itsPlanckMeanFreePath

+ BDSPlanckScatter()  
+ ~BDSPlanckScatter()  
+ IsApplicable()  
+ GetMeanFreePath()  
+ PostStepDoIt()  
+ SetTemperature()  
+ GetTemperature()  
- operator=(  
- BDSPlanckScatter()