BDSDetectorConstruction

- – verbose
- – outline
- – gflash
- – gflashemax
- – gflashemin
- – itsGeometrySampler
- – precisionRegion
- – gasRegion
- – solidWorld
- – logicWorld
- – physiWorld
- – itsWorldSize
- – fPhysicalVolumeVector
- – magField
- – BDSUserLimits
- – BDSSensitiveDetector
- – itsIStore
- – theParameterisation
- – theHitMaker
- – theParticleBounds
- – theParticleBoundsVac
- – theFastShowerModel
- – gFlashRegion

- + BDSDetectorConstruction()
- + ~BDSDetectorConstruction()
- + Construct()
- + SetMagField()
- + UpdateGeometry()
- + CreateImportanceStore()
- + GetWorldVolume()
- + GetWorldSize()
- + GetWorldSizeX()
- + GetWorldSizeY()
- + GetWorldSizeZ()
- – SetWorldSize()
- – SetWorldSizeX()
- – SetWorldSizeY()
- – SetWorldSizeZ()
- – DefineMaterials()
- – ConstructBDS()

BDSSynchrotronRadiation

- – nExpConst
- – CritEngFac
- – MeanFreePathCounter

- + BDSSynchrotronRadiation()
- + ~BDSSynchrotronRadiation()
- + IsApplicable()
- + GetMeanFreePath()
- + PostStepDoIt()
- + SynGenC()
- + SynRadC()
- – operator=()
- – BDSSynchrotronRadiation()

std::ifstream

BDSPrimaryGeneratorAction

- – particleGun
- – BDSDetector
- – weight
- – beta_x
- – sig_z
- – KineticEnergy
- – gamma
- – beta_y
- – sig_dp
- – emit_x
- – emit_y
- – charge
- – sig_x
- – sig_xp
- – sig_y
- – sig_yp
- – sig_t
- – InputBunchFile
- – ExtractBunchFile
- – logXfactor
- – logYfactor
- – itsSynchCritEng
- – itsBDSSynchrotronRadiation

- + BDSPrimaryGeneratorAction()
- + ~BDSPrimaryGeneratorAction()
- + GeneratePrimaries()

ExtractBunchFile
InputBunchFile

itsBDSSynchrotronRadiation

BDSDetector