

BDSMultipole

```
# itsBeampipeLogicalVolume
# itsInnerBPLogicalVolume
# itsVisAttributes
# itsBeampipeUserLimits
# itsPhysiComp
# itsPhysiInner
# itsBPFieldMgr
# itsOuterFieldMgr
# itsInnerIronRadius
# itsBeampipeThickness
# itsBeampipeSolid
# itsInnerBeampipeSolid
# itsChordFinder
# itsOuterMagField
```

```
+ BDSMultipole()
+ BDSMultipole()
+ BDSMultipole()
+ ~BDSMultipole()
+ BuildBLMs()
+ BuildBeampipe()
+ BuildBeampipe()
+ BuildDefaultMarkerLogicalVolume()
+ BuildDefaultOuterLogicalVolume()
+ BuildEllipticalOuterLogicalVolume()
+ BuildBPFieldMgr()
+ GetBPFieldMgr()
+ BuildOuterFieldManager()
+ SetOuterRadius()
+ SetStartOuterRadius()
+ SetEndOuterRadius()
- ConstructorInit()
- SetBeampipeThickness()
```

BDSQuadMagField

```
- QuadNavigator
- itsBGrad
```

```
+ BDSQuadMagField()
+ ~BDSQuadMagField()
+ GetFieldValue()
+ SetBGrad()
```

BDSQuadStepper

```
- QuadNavigator
- fPtrMagEqOfMot
- itsBGrad
- yInitial
- yMidPoint
- yFinal
- itsDist
```

```
+ BDSQuadStepper()
+ ~BDSQuadStepper()
+ Stepper()
+ DistChord()
+ SetBGrad()
+ GetBGrad()
+ StepperName()
+ IntegratorOrder()
# AdvanceHelix()
```

BDSQuadrupole

```
- itsBGrad
- itsStepper
- itsMagField
- itsEqRhs
```

```
+ BDSQuadrupole()
+ ~BDSQuadrupole()
+ SynchRescale()
- BuildOuterLogicalVolume()
- BuildBPFieldAndStepper()
- SetVisAttributes()
```

itsMagField / itsStepper

