

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()
```

BDSOctMagField

```
- itsBTrpPrime
```

```
+ BDSOctMagField()
+ ~BDSOctMagField()
+ GetFieldValue()
+ SetBTrpPrime()
```

BDSOctStepper

```
- fPtrMagEqOfMot
- itsBTrpPrime
- yInitial
- yMidPoint
- yFinal
- itsDist
```

```
+ BDSOctStepper()
+ ~BDSOctStepper()
+ Stepper()
+ DistChord()
+ SetBTrpPrime()
+ GetBTrpPrime()
+ StepperName()
+ IntegratorOrder()
# AdvanceHelix()
```

BDSOctupole

```
- itsBTrpPrime
- itsStepper
- itsMagField
- itsEqRhs
```

```
+ BDSOctupole()
+ ~BDSOctupole()
+ SynchRescale()
- BuildBPFieldAndStepper()
- SetVisAttributes()
```

itsMagField / itsStepper