

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()
```

myQuadStepper

```
+ itsLength
+ itsAngle
- yInitial
- yMidPoint
- yFinal
- fPtrMagEqOfMot
- itsBGrad
- itsBField
- itsDist
```

```
+ myQuadStepper()
+ ~myQuadStepper()
+ Stepper()
+ DistChord()
+ SetBGrad()
+ SetBField()
+ SetLength()
+ SetAngle()
+ GetBGrad()
+ StepperName()
+ IntegratorOrder()
# AdvanceHelix()
```

BDSsbendMagField

```
- itsLocalRadius
+ BDSsbendMagField()
+ ~BDSsbendMagField()
+ GetLocalRadius()
```

BDSRBend

```
- itsBField
- itsBGrad
- itsMagFieldLength
- markerSolidVolume
- rbendRectangleSolidVolume
- rbendRectangleLogicalVolume
- middleBeampipeLogicalVolume
- middleInnerBPLogicalVolume
- endsBeampipeLogicalVolume
- endsInnerBPLogicalVolume
- endsBeampipeUserLimits
- endsInnerBeampipeUserLimits
- innerBeampipeVisAtt
- beampipeVisAtt
- itsStepper
- itsMagField
- itsEqRhs
```

```
+ BDSRBend()
+ ~BDSRBend()
+ SynchRescale()
- BuildBPFieldAndStepper()
- BuildRBMarkerLogicalVolume()
- BuildRBBeampipe()
- BuildRBOuterLogicalVolume()
- SetVisAttributes()
```

itsStepper

itsMagField

