

## 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()
```

## BDSMagField

```
+ rotation
+ translation
```

```
+ BDSMagField()
+ ~BDSMagField()
+ DoesFieldChangeEnergy()
+ GetFieldValue()
+ Prepare()
+ SetOriginRotation()
+ SetOriginTranslation()
+ GetHasNPoleFields()
+ GetHasUniformField()
+ GetHasFieldMap()
```

## BSDriftStepper

```
+ BSDriftStepper()
+ ~BSDriftStepper()
+ Stepper()
+ StepperName()
+ DistChord()
+ IntegratorOrder()
# AdvanceHelix()
```

itsMagField

itsStepper

## BDSPCLDrift

```
- itsYAperUp
- itsYAperDown
- itsDyAper
- outer_solid
- inner_solid
- itsOuterBeamPipeLogicalVolume
- itsInnerBeamPipeLogicalVolume
- itsPhysiInner
- itsPhysiOuter
- itsBeampipeVisAtt
- itsInnerBeampipeVisAtt
- itsStepper
- itsMagField
- itsEqRhs
```

```
+ BSPCLDrift()
+ ~BSPCLDrift()
- BuildBLMs()
- BuildBeampipe()
- SetVisAttributes()
- BuildBpFieldAndStepper()
```