

## 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()
```

## BDSDriftStepper

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

## BDSDrift

```
- itsStartOuterR
- itsEndOuterR
- itsStepper
- itsMagField
- itsEqRhs
```

```
+ BDSDrift()
+ ~BDSDrift()
- BuildBLMs()
- SetVisAttributes()
- BuildBpFieldAndStepper()
```

