

```
std::list< BDSAcceleratorComponent * >
```

```
- elements
```

```
itsBeamline
```



```
BDSComponentFactory
```

```
- verbose  
- lengthSafety  
- _charge  
- _momentum  
- _brho  
- _elementIter  
- _previousElementIter  
- _nextElementIter  
- itsBeamline  
- _element  
- _previousElement  
- _nextElement
```

```
+ BDSComponentFactory()  
+ ~BDSComponentFactory()  
+ createComponent()  
+ createComponent()  
+ createComponent()  
+ createTerminator()  
+ createTeleporter()  
- createSampler()  
- createCSampler()  
- createDump()  
- createDrift()  
- createRF()  
- createSBend()  
- createRBend()  
- createHKick()  
- createVKick()  
- createQuad()  
- createSextupole()  
- createOctupole()  
- createMultipole()  
- createElement()  
- createSolenoid()  
- createRectangularCollimator()  
- createEllipticalCollimator()  
- createMuSpoiler()  
- createLaser()  
- createScreen()  
- createAwakeScreen()  
- createTransform3D()  
- HasSufficientMinimumLength()  
- PrepareBeamPipeMaterial()  
- PrepareVacuumMaterial()  
- PrepareMagnetOuterInfo()  
- PrepareOuterDiameter()  
- PrepareBeamPipeInfo()  
* PrepareBeamPipeMaterial()  
* PrepareVacuumMaterial()  
* PrepareMagnetOuterInfo()  
* PrepareOuterDiameter()  
* PrepareBeamPipeInfo()
```