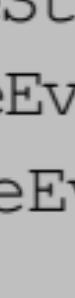


std::ifstream



InputBunchFile

## BDSBunch

- verbose
- verboseStep
- verboseEvent
- verboseEventNumber
- nptwiss
- distribType
- X0
- Y0
- Z0
- T0
- Xp0
- Yp0
- Zp0
- sigmaX
- sigmaY
- sigmaT
- sigmaXp
- sigmaYp
- rMin
- rMax
- shellx
- shelly
- shellxp
- shellyp
- betaX
- betaY
- alphaX
- alphaY
- emitX
- emitY
- meansGM
- sigmaGM
- energySpread
- fields
- inputFile
- nlinesIgnore
- InputBunchFile
- GaussGen
- FlatGen
- GaussMultiGen
- partId

- + BDSBunch()

- + ~BDSBunch()

- + SetOptions()

- + GetSigmaT()

- + GetSigmaX()

- + GetSigmaY()

- + GetSigmaXp()

- + GetSigmaYp()

- + GetNextX()

- + GetNextY()

- + GetNextZ()

- + GetNextXp()

- + GetNextYp()

- + GetNextT()

- + GetNextParticle()

- + GetEmitX()

- + GetEmitY()

- + GetAlphaX()

- + GetAlphaY()

- + GetBetaX()

- + GetBetaY()

- + SetSigmaT()

- + SetSigmaX()

- + SetSigmaY()

- + SetSigmaXp()

- + SetSigmaYp()

- + SetX0()

- + SetY0()

- + SetXp0()

- + SetYp0()

- + SetEmitX()

- + SetEmitY()

- + SetAlphaX()

- + SetAlphaY()

- + SetBetaX()

- + SetBetaY()

- + SetEnergySpread()

- skip()

- ReadValue()

- OpenBunchFile()

- CloseBunchFile()