Datahandling

Dataprocessing

FairTask

↑ Extends

PndPersistencyTask

↑ Extends

<>
PndProcessExecutorTask

+ fProcesses: vector<PndProcess*>
+ fParameterSet: FairParGenericSet*
+ fParameterSetName: TString
+ fData: PndProcessData*

+ AddProcess(PndProcess*): void
+ SetParContainers(): void
+ SetupProcesses() void
+ SetupDataArrays) virtual void = 0
+ PreProcessing(): virtual void = 0
+ CallProcesses(): void
+ PostProcessing(): virtual void = 0

0...n*

<>
PndProcess

+ fParameterSet: FairParGenericSet*

+ Process(): virtual void = 0
+ SetData(PndProcessData*): virtual void = 0
+ SetupParameters(FairParGenericSet*) virtual void = 0

calls

calls

Use

<<Interface>>
PndProcessData

Actual implementation of a
reconstruction task

Actual implementation of a
reconstruction process

EmcClusteringTask

+ SetupDataArrays() virtual void

+ PreProcessing(): virtual void

+ PostProcessing(): virtual void

Extends

EmcProcessData

+MCTracks: TClonesArray*

+MCPoints: TClonesArray*

+MCHits: TClonesArray*

+Digis: TClonesArray*

+Cluster: TClonesArray*

+SubCluster: TClonesArray*

+RecoHits: TClonesArray*

Use

EmcClusteringProcess

+fDigis: TClonesArray*

+ SetData(PndProcessData*): virtual void

+ Process(): virtual void

+ SetupParameters(FairParGenericSet*> virtual void

EmcFindLocalMaximaProcess

+ SetData(PndProcessData*): virtual void

+ SetupParameters(FairParGenericSet*> virtual void

+ Process(): virtual void

EmcClusterSplittingProcess

+ SetData(PndProcessData*): virtual void

+ SetupParameters(FairParGenericSet*> virtual void

+ Process(): virtual void