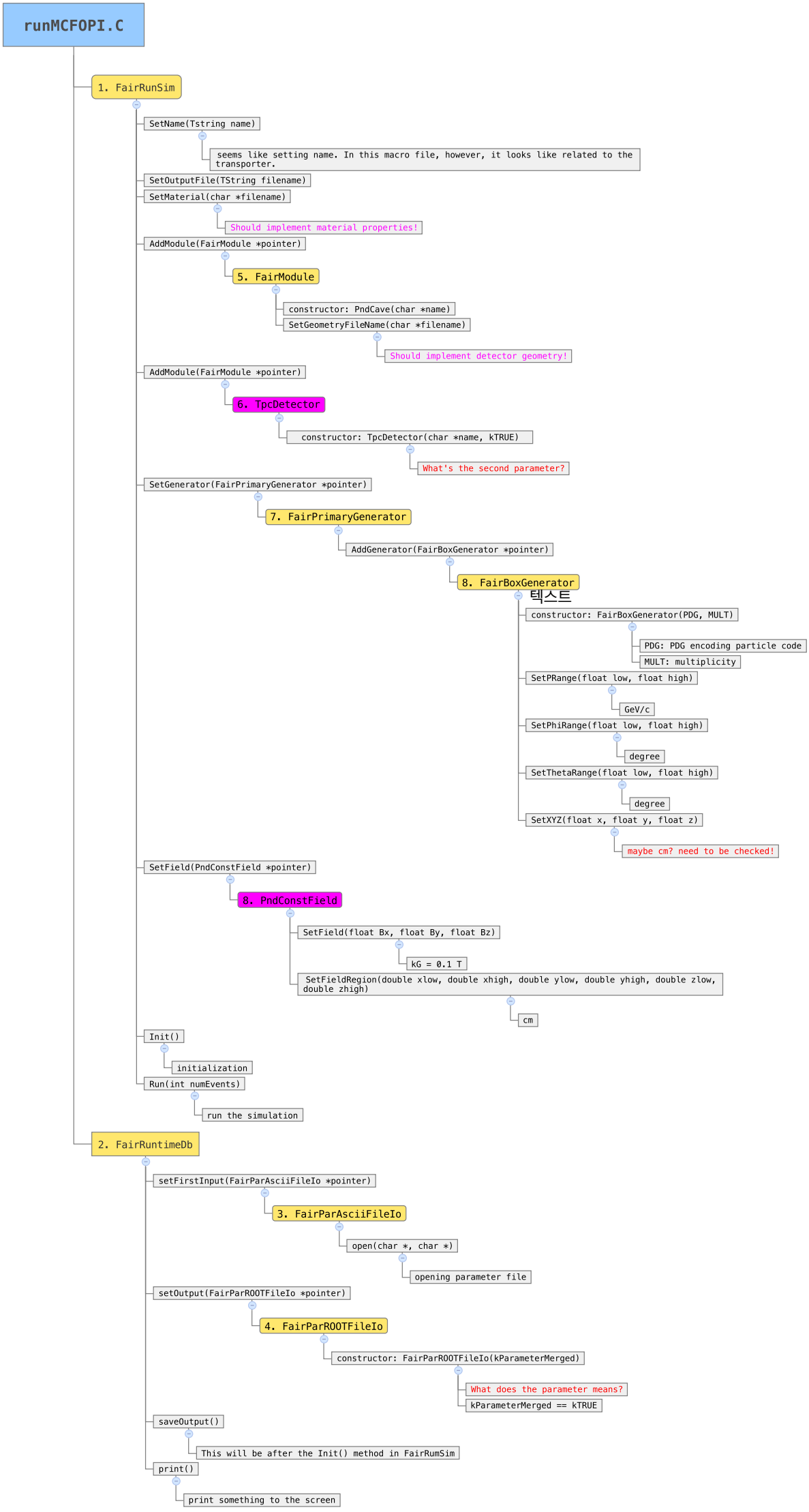
runMCFOPI.C
1. FairRunSim
SetName(Tstring name)
seems like setting name. In this macro file, however, it looks like related to the transporter.
SetOutputFile(TString filename)
SetMaterial(char *filename)
Should implement material properties!
AddModule(FairModule *pointer)
5. FairModule
constructor: PndCave(char *name)
SetGeometryFileName(char *filename)
Should implement detector geometry!
AddModule(FairModule *pointer)
6. TpcDetector
constructor: TpcDetector(char *name, kTRUE)
What's the second parameter?
SetGenerator(FairPrimaryGenerator *pointer)
7. FairPrimaryGenerator
AddGenerator(FairBoxGenerator *pointer)
8. FairBoxGenerator
텍스트
constructor: FairBoxGenerator(PDG, MULT)
PDG: PDG encoding particle code
MULT: multiplicity
SetPRange(float low, float high)
GeV/c
SetPhiRange(float low, float high)
degree
SetThetaRange(float low, float high)
degree
SetXYZ(float x, float y, float z)
maybe cm? need to be checked!
SetField(PndConstField *pointer)
8. PndConstField
SetField(float Bx, float By, float Bz)
kG = 0.1 T
SetFieldRegion(double xlow, double xhigh, double ylow, double yhigh, double zlow, double zhigh)
cm
Init()
initialization
Run(int numEvents)
run the simulation
2. FairRuntimeDb
setFirstInput(FairParAsciiFileIo *pointer)
3. FairParAsciiFileIo
open(char *, char *)
opening parameter file
setOutput(FairParROOTFileIo *pointer)
4. FairParROOTFileIo
constructor: FairParROOTFileIo(kParameterMerged)
What does the parameter means?
kParameterMerged == kTRUE
saveOutput()
This will be after the Init() method in FairRumSim
print()
print something to the screen