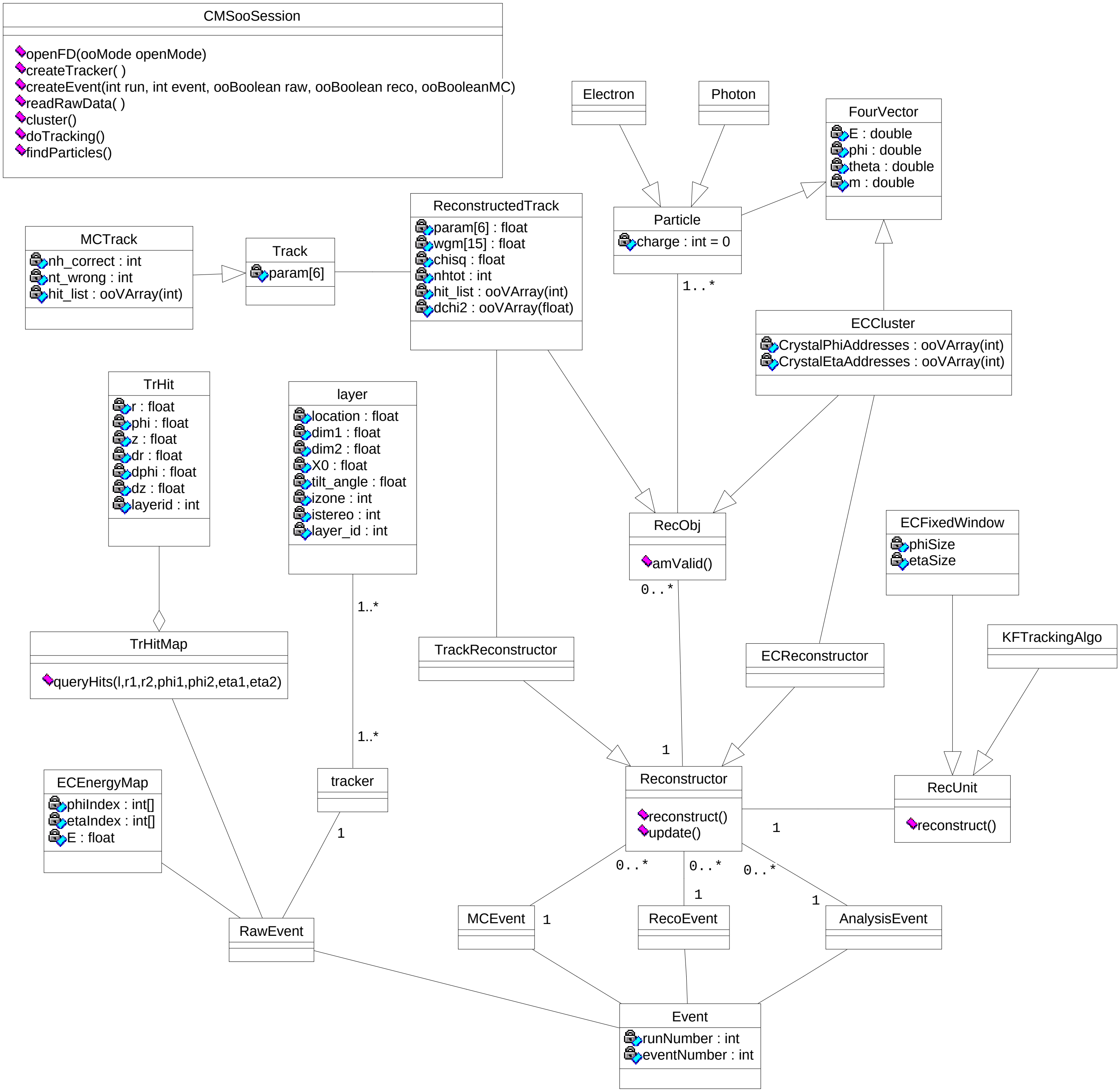
CMSooSession
openFD(ooMode openMode)
createTracker( )
createEvent(int run, int event, ooBoolean raw, ooBoolean reco, ooBooleanMC)
readRawData( )
cluster()
doTracking()
findParticles()
Electron
Photon
FourVector
E : double
phi : double
theta : double
m : double
ReconstructedTrack
param[6] : float
wgm[15] : float
chisq : float
nhtot : int
hit_list : ooVArray(int)
dchi2 : ooVArray(float)
Particle
charge : int = 0
MCTrack
nh_correct : int
nt_wrong : int
hit_list : ooVArray(int)
Track
param[6]
1..*
ECCluster
CrystalPhiAddresses : ooVArray(int)
CrystalEtaAddresses : ooVArray(int)
TrHit
r : float
phi : float
z : float
dr : float
dphi : float
dz : float
layerid : int
layer
location : float
dim1 : float
dim2 : float
X0 : float
tilt_angle : float
izone : int
istereo : int
layer_id : int
RecObj
amValid()
ECFixedWindow
phiSize
etaSize
0..*
1..*
KFTrackingAlgo
TrHitMap
queryHits(l,r1,r2,phi1,phi2,eta1,eta2)
TrackReconstructor
ECReconstructor
1..*
1
ECEnergyMap
phiIndex : int[]
etaIndex : int[]
E : float
tracker
Reconstructor
reconstruct()
update()
RecUnit
reconstruct()
1
1
0..*
0..*
0..*
1
1
MCEvent
1
RecoEvent
AnalysisEvent
RawEvent
Event
runNumber : int
eventNumber : int