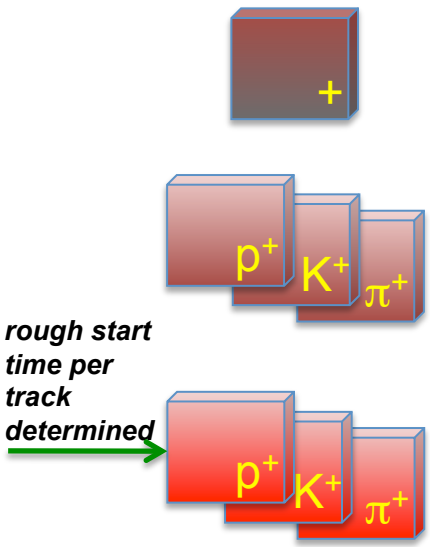
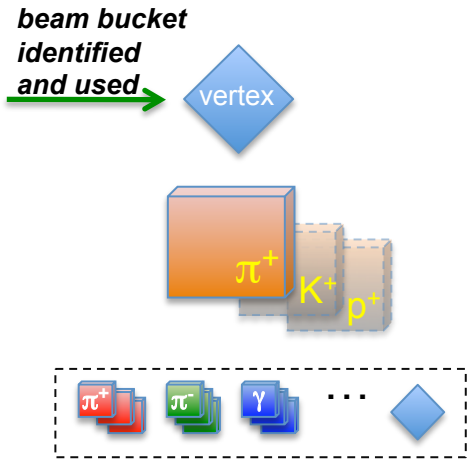


DTrackCandidate

DTrackWireBased

DTrackTimeBased

These exist in the current implementation of the code. The only proposed change is to move the FOM calculation used for particle ID out of the DTrackTimeBased object and defer it until the DVertex is created so an accurate time-of-flight may be calculated.



DVertex

DChargedTrack

These will be created at the same time in the DVertex factory whenever either type of object is requested. This is so both DVertex and DChargedTrack can keep pointers to the other as Associated Objects.

DChargedTrack objects are a list of DTrackTimeBased object pointers with FOM for each. The list is ordered by FOM so the most likely hypothesis is first

DParticleSet

Contains a pointer to a DVertex object, vectors of DChargedTrack, DPhoton pointers for each particle type.

DPhysicsEvent

vector of DParticleSet objects