



DTrackCandidate

DTrackWireBased

DTrackTimeBased

DBCALShower
DFCALShower

DVertex

DVertex::track_info

DVertex::shower_info

DParticleSet

DPhysicsEvent

These exist in the current implementation of the code. The only 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 used.

The DBCALShower and DFCALShower objects need only DTrackWireBased. They will have a *matched_to_wb_track* flag

The DVertex factory will associate tracks together into groups coming from the same vertex. The vertex will be determined from the charged tracks. The FOM used for PID will be calculated based on the time-of-flight from the vertex. Showers will be combined into a single list and a *matched_to_tb_track* flag will be set.

Contains a pointer to a DVertex object, STL vectors of DVertex::track_info, DVertex::shower_info, pointers for each particle type (pip, pim, proton, photon, ...)

vector of DParticleSet objects

