Hi Stefano!

The trackbase contains the parameter sets which are used by geane. IMHO this should be hidden from the user. Tracking duties (like extrapolations, fitting, vertexing etc..) should be done with the interfaces in genfit (esp. genfit/Track).

For the analysis we need a particle candidate where the most important info is 4-momentum and production vertex. But how this will look like and how we make the connection to the track and to the pid measurements has yet to be defined.

I hope to find something in the analysis document, prepared by Soeren and Matthias and Diego.

Best Regards,
Sebastian.

PS: I do not think we should discuss this in terms of inheritance! It is a structural problem and we should decide to use inheritance for the solution only if we find an explicit reason for this.