LArSoft - Feature #17797

Support of retrieval of original recob::TrackTrajectory from the track proxy

09/28/2017 04:30 PM - Giuseppe Cerati

Status:	Closed		**Start date:**	09/28/2017
Priority:	Normal		**Due date:**	
Assignee:	Gianluca Petrillo		**% Done:**	100%
Category:	Data products		**Estimated time:**	0.00 hour
Target version:			**Spent time:**	24.00 hours
Experiment:	-		**Co-Assignees:**	

Description

The new track proxy has to be able to get to the original unfitted TrackTrajectory.
This is a key component so that the physics analyzer can choose the best features from the fitted or unfitted trajectory.

History

#1 - 10/02/2017 10:33 AM - Lynn Garren

- *Status changed from New to Assigned*

#2 - 10/02/2017 11:19 AM - Gianluca Petrillo

- *Category set to Data products*

- *Status changed from Assigned to Feedback*

- *Priority changed from Immediate to Urgent*

To my knowledge, the relation between a recob::Track and its original recob::TrackTrajectory is described via *art* associations, where:

- a recob::Track collection may or may not have such associations
- if the association is present, each recob::Track is associated to a recob::TrackTrajectory
- a recob::TrackTrajectory can be *not* associated to any recob::Track (in the case a fit failed)

Can we rely on the associations to be ordered on both sides? or at least on recob::Track side?

#3 - 10/02/2017 11:21 AM - Giuseppe Cerati

On the track side. (if the input is PFParticles the TrackTrajectory sorting is not preserved)

#4 - 10/02/2017 12:50 PM - Gianluca Petrillo

- *Status changed from Feedback to Assigned*

- *Priority changed from Urgent to High*

#5 - 10/16/2017 01:05 PM - Gianluca Petrillo

- *Status changed from Assigned to Resolved*

- *Priority changed from High to Normal*

- *% Done changed from 0 to 100*

Solved with commit lardata:0606e668dc5ff8e94f09afcb3e1e99eb3142bfbb .

#6 - 12/29/2017 04:02 PM - Gianluca Petrillo

- *Status changed from Resolved to Closed*