uBooNE Reconstruction - Task #11264

Milestone # 11262 (Resolved): March production reconstruction

Milestone # 11261 (Closed): Track finding and fitting improvements

Understand and fix broken track issue from Track3DKalmanTrack

12/20/2015 02:09 PM - Erica Snider

Status:	Closed		**Start date:**	12/20/2015
Priority:	Normal		**Due date:**	03/01/2016
Assignee:			**% Done:**	10%
Category:			**Estimated time:**	0.00 hour
Target version:				
Description				

History

#1 - 02/22/2016 03:31 PM - Erica Snider

- Subject changed from Make TrackKalman3D respect gaps due to bad wires to Understand and fix broke track issue from Track3DKalmanTrack

- % Done changed from 0 to 10

Initially thought to be due to bad wires. Subsequently determined to be due to problems during fitting phase. Noted when using Pandora input, but not isolated to that case. Among other things, need to make this operate as a final fitter without any pattern-recognition.

LArSoft re-architecture work will isolate the fitting function so that a final fitter can be written, but this deliverable is scheduled for well after March 1.

In the mean time, the strategy will be to see if adjusting parameters can fix the problem for our purposes (that of just fitting tracks found by Pandora pattern-recognition, for instance).

#2 - 02/22/2016 03:58 PM - Erica Snider

- Subject changed from Understand and fix broke track issue from Track3DKalmanTrack to Understand and fix broken track issue from Track3DKalmanTrack

#3 - 02/22/2016 04:04 PM - Erica Snider

Libo, Anne and Tracy are working on this

#4 - 08/02/2016 01:35 PM - Tracy Usher

- Status changed from New to Closed

This project was aiming for Neutrino 16 but was not completed. Task superseded by coming new implementation of track fit.