

Analysis - Feature #1983

Track finding and noise rejection upgrade

05 November 2018 10:36 - Hunt, Christopher

Status:	Open	Start date:	13 October 2018
Priority:	High	Due date:	
Assignee:	Hunt, Christopher	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			

Description

Two main goals:

- Implement and test a updated version of pattern recognition with discriminates based on spacepoint NPE only, rather than complicated track finding algorithms

This assumes a cluster or digit level noise rejection has been implemented

- Implement and compare an NPE based noise cut versus an ADC based noise cut to support the new PR algorithm and improve efficiency.

A rough split of work, Durga is looking at the NPE based noise rejected and I have been looking at the ADC based noise rejected. We can keep track of analysis scripts and data in this ticket.

History

#1 - 05 November 2018 17:35 - Hunt, Christopher

- File *efficiency_analysis.py* added

- File *tracker_purity_analysis.py* added

Attached are the two scripts I have been using to perform the analysis. Durga has a branched version I believe. We should really merge them again I think.

Files

efficiency_analysis.py	15.5 KB	05 November 2018	Hunt, Christopher
tracker_purity_analysis.py	25.7 KB	05 November 2018	Hunt, Christopher