

LArSoft - Necessary Maintenance #19884

Create internal implimentation of ParticleList using art::Ptr instead of simb::MCParticle*

05/04/2018 01:02 PM - Jason Stock

Status:	Feedback	Start date:	05/04/2018
Priority:	Low	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Experiment:	-		
Description			
The ParticleList is nutools is inconvenient using simb::MCParticle* for storing particles. For purposes of the backtracker/photonbacktracker/particleinventory, it would be beneficial to remove dependence on the ParticleList and build an internal implimentation to do that same, but using art::Ptrs from the event. This will be a beneficial step to moving state for the particle inventory to the event for multithread support.			

History

#1 - 05/07/2018 10:26 AM - Lynn Garren

- Status changed from New to Accepted

Accepted for now. We will review this idea. In general, changing the underlying representation of a class to depend on art may not be appropriate. It may be more appropriate to change the interface.

#2 - 05/07/2018 10:27 AM - Lynn Garren

- Status changed from Accepted to Feedback

Jason, we will arrange to have a discussion with you.