

LArSoft - Bug #19412

EMShowerAlg requires Backtracker service for no reason

03/15/2018 05:53 PM - Gianluca Petrillo

Status:	Assigned	Start date:	03/15/2018
Priority:	Normal	Due date:	
Assignee:	Michael Wallbank	% Done:	0%
Category:	Reconstruction	Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Occurs In:	v06_70_00	Co-Assignees:	
Experiment:	-		
Description			
Moved from ServiceNow ticket RITM0661275 by Dominic Barker:			
<p>I have recently implemented the use of EMShower_module.cc (found in the ShowerFinder directory in larreco) in SBND. This uses EMShowerAlg (found in the RecoAlg directory in larreco) to reconstruct Showers. Backtracker services is used in EMShowerAlg in a private function called FindParticleID, this is then used in a private function called FindTrueParticle. FindTrueParticle is no longer used in the rest of the code and so has no affect on the rest of the algorithm. Is it possible to comment out both these functions and remove the backtracker service from the algorithm, as they are no longer used? EMShower uses only reconstructed data and should not require Monte Carlo information. Commenting out the code would allow SBND to use the module in our reconstruction chain, which is found in sbndcode standard_reco_sbnd_basic.fcl, without having to implement the backtracker service. I feel that the reconstruction should not depend on Monte Carlo information and this is correct thing to do.</p>			
Related issues:			
Blocks SBND code - Necessary Maintenance #19431: Remove BackTrackerService fr...		Assigned	03/19/2018

History

#1 - 03/19/2018 10:57 AM - Lynn Garren

- Status changed from New to Assigned

- Assignee set to Michael Wallbank

Mike, would you please take a look at this?

#2 - 03/19/2018 11:53 AM - Gianluca Petrillo

- Blocks Necessary Maintenance #19431: Remove BackTrackerService from reconstruction configuration files when it's not needed any more added