

## TrajCluster - Bug #19996

### Segfault in TCShower.cxx

05/20/2018 10:40 AM - Tingjun Yang

<b>Status:</b>	New	<b>Start date:</b>	05/20/2018
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Tingjun Yang	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	0.00 hour
<b>Description</b>			
In TCShower.cxx:			
<pre>// dE/dx, energy, etc for(auto cid : ss3.CotIDs) {     auto&amp; ss = tjs.cots[cid];     auto&amp; stj = tjs.allTraj[ss.ShowerTjID - 1];     unsigned short plane = DecodeCTP(ss.CTP).Plane;     ss3.Energy[plane] = ss.Energy;     // TODO: calculate the errors in some better way     ss3.EnergyErr[plane] = 0.3 * ss.Energy;     // TODO: what does MIPEnergy mean anyway?     ss3.MIPEnergy[plane] = ss3.EnergyErr[plane];     ss3.MIPEnergyErr[plane] = ss.Energy;     std::cout&lt;&lt;plane&lt;&lt;" "&lt;&lt;ss3.dEdx.size()&lt;&lt;" "&lt;&lt;ss.ShowerTjID-1&lt;&lt;" "&lt;&lt;tjs.allTraj.size()&lt;&lt;std::: endl; //Added by TY for debugging     ss3.dEdx[plane] = stj.dEdx[0];     ss3.dEdxErr[plane] = 0.3 * stj.dEdx[0]; } // ci</pre>			
For one event, tjs.allTraj.size() = 756, ss.ShowerTjID-1 = 1071706962			
lar -c standard_reco_dune10kt_nu_1x2x6.fcl /pnfs/dune/scratch/users/vito/ci_validation/tracking_efficiency_validation/v06_75_00/sim/prodgenie_nu_dune10kt_1x2x6_detsim_021 .root --nskip 33 -n 1			
I am going to investigate a little.			