

uBAAna - Bug #22763

NTupleInterface ignores fGPhaseSpace member of simb::GTruth

06/19/2019 10:17 AM - Steven Gardiner

Status:	New	Start date:	06/18/2019
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
<p>When reconstructing GTruth objects from an analysis TTree, the NTupleInterface used by TreeReader (see <code>ubana/TreeReader/NTupleInterface.cxx</code>) fails to initialize the <code>fGPhaseSpace</code> data member. This leads to crashes when reweighting CCQE events produced with GENIE v3.0.4 (Reweight 1.0.2). Hard-coded assumptions about the correct phase space were recently removed from the CCQE reweighting code in favor of extracting that information from the event record. The NTupleInterface class should be updated to provide this information to Reweight.</p>			