LArSoft

	2021-3				2021-4				2021-5				2021-6				2021-7				2021-8			
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
LArSoft						LArSoft																				
Introducing IDs for photon detector geometry	Assigned																									
recob::PCAxis uses nested vector to represent (...)	Assigned																									
Pedestal passed by mutable reference in raw.cxx (...)	Resolved																									
raw.cxx Uncompress gives wrong results for (...)	Assigned																									
AlgoThreshold_test needs to be fixed	Assigned																									
memory access error in larana/CosmicRemoval/BeamFlashTrackMatchTaggerAlg.cxx	Assigned																									
Have a uniform way to identify decay/stopping (...)	Assigned																									
TPC Active Volume	Resolved																									
Provide a better way to simulate non-standard (...)	Assigned																									
Remove unused code for optical and shower (...)	Assigned																									
FLUKA interface with LArSoft	Assigned																									
Refactoring LArG4	Resolved 99%																									
Finish documentation for LArG4 Restructure	Resolved																									
Include paths in FHiCL include directives	Accepted																									
Talk to Pandora about exporting their Pandora (...)	Assigned																									
Memory errors and leaks	Assigned																									
PhotonVisibilityService should be factorised	Accepted																									
Lack of activating the Geant4 visualization (...)	Assigned																									
larpandora repository - history includes (...)	Assigned																									
MCRecoPart uses non-portable coordinate system	Resolved																									
Memory errors and leaks	Assigned																									
Conflict between DUNE and MicroBooNE code	Resolved																									
Support detectors with drift direction different (...)	Assigned																									
Update event display to support arbitrary (...)	Assigned																									
Verify that the wire and optical calibration (...)	Assigned																									
Update PMA to support any drift direction (...)	Assigned																									
LArG4 MCParticle hierarchy information	Resolved																									

MARLEYGen module fails to use loaded nuclear (...)	Resolved
OpFlashAlg incompatible with multi-TPC detectors	Assigned
Migrating LArSoft to SPACK build system	Assigned
Remove legacy data members from recob::Track	Assigned
Update the reconstruction algorithms to support (...)	Assigned
Add geometry tests in the integration test	Assigned
Provide module-independent ionization transportation (...)	Assigned
Backtracker fails on corsika in-time MC	Assigned
problems using feature/dgg_lightprop	Resolved
Cannot run g4 in argoneut simulation	Resolved
Memory deallocation error running MicroBooNE (...)	Resolved
Remove DUNE-specific code from GeometryGeo	Resolved
Zero length steps during LArG4	Resolved
Floating Point Exceptions	Assigned
floating point divide by zero in tca:MCSMom	Resolved
Floating point divide by zero in TrajClusterAlg::UpdateTraj	Resolved
Floating point divide by zero in ClusterParamsAlg::RefineDirection	Assigned
Floating point divide by zero in EMShowerAlg.cxx	Assigned
Update wiki pages to reflect the new repository (...)	Accepted
Space Charge Effects (SCE) can shift the (...)	Accepted
Create an example about how to produce a (...)	Assigned
create an art example	Assigned
create a gallery example	Assigned
'Global wire' coordinate within LArSoft geometry	Assigned
Add geometry infrastructure for support (...)	Feedback
Design and implement global wire coordinate (...)	Assigned
environment variable to ctskelgen	Assigned
Large memory usage in SpacePointSolver for (...)	Assigned
Make Doxygen show full paths for header #include (...)	Assigned
Fix event display so that hits associated (...)	Assigned
MARLEYHelper fails to load ROOT-based neutrino (...)	Resolved
Vectorization of LArSoft Code	Assigned
setting up and running LArSoft on laptop (...)	Assigned
Investigate potential areas where vectorization (...)	Assigned

Preliminary vectorization tests and (...)	Assigned
Segmentation fault when MergeWithinTPC "on"	Assigned
problem with the debug build of larreco on (...)	Assigned
lariov::SIOVChannelStatusProvider depends (...)	Assigned
Need of update translation of GENIE interaction (...)	Work in progress
Potential Lack of Simulation of Recoil Nuclei (...)	Assigned
An exception occurs in the HitRefinerAssociator (...)	Accepted
fhicl options mismatch in lareventdisplay	Feedback
Names associated to pdg codes in Style.cxx (...)	Feedback
Inconsistent documentation of geo::GeometryCore::NearestWireID() (...)	Assigned
python tools	Assigned
reconsider the doxygen build	Assigned
Inconsistent information in GENIE MCTruth (...)	Accepted
Have raw::RawDigit report their time reference (...)	Assigned
Redesign of the timing associated to the (...)	Assigned
detinfo::DetectorClocksStandard::ExternalClock() (...)	Assigned
new warning from gcc 6.4.0 in larreco TrackFinder	Resolved
Failure of FindManyInChainP when the associated (...)	Accepted
Track length based only on ValidPoints (i.e. (...)	Assigned
larsoft-v06_70_00 unable to run larsoft event (...)	Resolved
Selective loading of detector data	Assigned
Re-architecture of art services in LArSoft (...)	Assigned
SingleGen: handle negative momentum values	Assigned
Pixel-detectors within LArSoft.	Assigned
Hit finding at the edge of a waveform gives (...)	Feedback
EMShowerAlg requires Backtracker service (...)	Assigned
Move initialisation of CorsikaGen from constructor (...)	Accepted
Workaround for Clang bug on array initialisation	Accepted
Workaround for GenVector classes not being (...)	Accepted
Restore fuzzyCluster to a reasonable memory (...)	Accepted
building larwirecell with c2	Resolved
Restore tensorflow-dependent code disabled (...)	Assigned
sam_web_client, python, SLF7, and larsoft (...)	Feedback
Overload BackTracker HitToTrackIds to accept (...)	Assigned

Create internal implimentation of ParticleList (...)	Feedback
SimpleBoundary() should be moved from DetectorProperties (...)	Under Discussion
Documentation of momentum calculator not (...)	Assigned
Make Qt and PyQt 4/5 official ups products	Assigned
Update list of external packages used in (...)	Assigned
Put code LArSoft repositories under Apache (...)	Assigned
building larsoft with e17	Resolved
Update nuwro version	Assigned
Bug in ISCalcSeparate::EFieldAtStep	Resolved
PhotonBackTracker OpFlash Matching Prep is (...)	Assigned
GenieGen module requires a cryostat in the (...)	Feedback
Bug in Fiducial Volume Definition in Larsim	Resolved
Update LArSoft infrastructure for GENIE v3.0.2	Resolved
larsim/EventGenerator/GENIE/GENIEGen_module.cc (...)	Assigned
Data overlay infrastructure for LArSoft	Accepted
LArPandora - ProtoDUNEBeamEvent	Assigned
Inconsistent location of wire plane reported (...)	Feedback
Tons of messages for background simulations.	Feedback
Provide a LArSoft geometry example working (...)	Resolved
Remove deprecated getIf() members from data (...)	Feedback
Upgrade PMAlg algorithms for thread safety	Assigned
Make GausHitFinder's dependence on RawDigit (...)	Resolved
Make IsRealData consistent across backtracking (...)	Assigned
Non-standard SpaceCharge interface	Feedback
Update wiki page for new directory structure	Assigned
trtis_clients and tensorflow interfaces need (...)	Assigned
Unusually long run time for first lar command (...)	Assigned
Outdated Wiki Instructions for creating indirection (...)	Assigned
Reproducible events in the refactored LArG4	Resolved
Wrong position of reflective foil on OpFastScintillation (...)	Under Discussion
MRB does not initialise GitFlow	Assigned
Reintroduce FinalStateSelectFilter to LArEvt	Feedback
Scintillation visibility by semi-analytic (...)	Accepted
Opposite channel numbering sorting for OpDets	Feedback

It is possible to specify inconsistent GDMLs (...)	Assigned
Calorimetry module replacement	Assigned
Implicit conversion loses integer precision (...)	Assigned
restructure larrecodnn	Assigned
Changes to nusimdata -- saving Transportation (...)	Assigned
Update to gallery v1_15	Accepted
Request to provide LArSoft builds for ubuntu (...)	Accepted
Memory footprint increase in ProtoDUNE reconstruction (...)	Assigned
Adding offset in MergeSimSources breaks symmetry (...)	Assigned
need new version of Nvidia Triton (formerly (...)	Resolved
Can't generate events with no neutrino interactions (...)	Assigned
Libtorch v1.6.0 high memory usage	Feedback
project.py: Parse error in expression	Assigned
LArSoft - v06_69_00	v06_69_00 100%
Trajcluster segfault	Resolved
LArSoft - 2017-3-quarter	
Provide a tool to facilitate the creation (...)	Resolved
LArSoft - 2017-4-quarter	
Decay products in pandora do not start (...)	Accepted
Profiling LArSoft	Assigned
LArSoft - 2018-2-quarter	
Function to return a list of compatible (...)	Under Discussion
LArSoft - 2018-3-quarter	
Establish a standard way to represent (...)	Accepted
LArSoft - 2019-1-quarter	
Load geometry from ROOT file instead (...)	Accepted
Add a compact representation for the (...)	Accepted
review typedef cryo_tpc_view_hitmap	Accepted
Phase 3 Tracking Data Product	Accepted
Provide an interface for access (...)	Accepted
Design an interface for access (...)	Accepted
Pointless __GCCXML__ in LArSoft data (...)	Accepted
LArSoft - develop/HEAD	
TStreamer Error While converting old (...)	Accepted

simultaneous use of auxdetgeometry service (...)	Feedback
ArgoNeuT code	ArgoNeuT code
ArgoNeuT uses the existing lifetime (...)	Resolved
larwirecell	larwirecell
WireCell::Waveform::percentile throws (...)	New
uBooNE code	uBooNE code
Add standard fcl configurations and (...)	New
Experiment-independent access to pedestals (...)	Assigned 50%
Experiment-independent access to database (...)	New
Experiment-independent channel filter (...)	New
Outdated specification for data product (...)	New
RootOutput and fileProperties	New
UBOpReadoutMap bugs	New
SpaceChargeService service is configured (...)	New
SimWireMicroBooNE results are not reproducible	New
Test PropTest uses non-reproducible (...)	New
Hits data product size change in continuous (...)	Resolved
Verify the aggregation criteria for (...)	New
Uboonecode v08_00_00_11	New
Uboonecode v08_00_00_13a	New
MEC dial in GENIE reweight	Assigned
uBAna	uBAna
NTupleInterface ignores fGPhaseSpace (...)	New