

## GENIE - Issues

#	Tracker	Status	Priority	Subject	Assignee	Updated
15156	Feature	Closed	High	Modify GENIE Comparisons package to produce Minerva App Plots	Julia Yarba	03/13/2017 12:05 PM
14651	Feature	New	Normal	Begin using CI	Julia Yarba	02/20/2017 12:15 PM
14650	Feature	New	Normal	Multiple configurations	Julia Yarba	02/20/2017 12:15 PM
14649	Feature	New	Normal	Large scale physics validation	Julia Yarba	03/13/2017 12:19 PM
14648	Feature	New	Normal	Consult with CI team about unit tests.	Julia Yarba	02/20/2017 12:13 PM
14647	Feature	New	Normal	Discuss partnerships with CI team	Julia Yarba	03/13/2017 12:06 PM
14646	Feature	New	Normal	Continuous integration	Julia Yarba	03/13/2017 12:19 PM
14645	Feature	New	Normal	Unit test documentation	Julia Yarba	02/20/2017 12:19 PM
14644	Feature	New	Normal	First dozen tests	Julia Yarba	03/23/2017 05:55 PM
14642	Feature	New	Normal	Plan for updating test results	Julia Yarba	02/20/2017 12:18 PM
14641	Feature	New	Normal	Unit tests framework	Julia Yarba	03/23/2017 05:55 PM
14640	Feature	New	Normal	Unit tests repository	Julia Yarba	03/23/2017 05:53 PM
14639	Feature	New	Normal	Unit tests pilot project	Julia Yarba	03/23/2017 05:53 PM
14638	Feature	New	Normal	Unit tests	Julia Yarba	03/23/2017 05:55 PM
14637	Feature	New	Normal	Numerical summary tables	Julia Yarba	01/13/2017 04:49 PM
14636	Feature	New	Normal	Dossier import	Julia Yarba	01/13/2017 04:48 PM
14635	Feature	New	Normal	Dossier export	Julia Yarba	01/13/2017 04:48 PM
14633	Feature	New	Normal	MiniBooNE and T2K apps	Julia Yarba	01/13/2017 04:47 PM
14632	Feature	New	Normal	MINERvA apps	Julia Yarba	03/30/2017 11:12 AM
14631	Feature	New	Normal	Version-to-version regression tests in Comparisons	Julia Yarba	11/23/2016 12:32 PM
14630	Feature	New	Normal	Modify AVS scripting framework to run validation applications	Julia Yarba	03/30/2017 11:12 AM
14629	Feature	Closed	Normal	Establish build procedure	Julia Yarba	02/06/2017 12:26 PM
14628	Feature	New	High	Transition to new Comparisons package	Julia Yarba	03/30/2017 11:12 AM
12157	Feature	Closed	Normal	expand genie/comparison/src/MINERvA Fitting&Val package to include more recent exp.data	Julia Yarba	03/13/2017 12:22 PM
11732	Feature	Closed	Normal	Update GENIE Fitting&Val job configuration SW per agreement on the configuration scheme	Julia Yarba	11/23/2016 11:21 AM
11129	Feature	Closed	Normal	Expand genie/comparisons MINERvA package by adding comparisons vs coherent pion production data	Julia Yarba	01/27/2016 03:53 PM
10666	Feature	Closed	Normal	Implement initial version(s) of the following: common-use data2mc mapper, multi-experiment validation run config; adapt event loop driver, provide (MINERvA-based) multi-experiment application example	Julia Yarba	01/27/2016 03:53 PM
9852	Feature	Closed	Normal	make genie::utils::app_init::MsgThresholds() handle multiple files	Robert Hatcher	08/31/2015 01:43 PM
9072	Feature	Rejected	Normal	Develop validation app for new Berger-Sehgal Coherent Pion model	Gabriel Perdue	10/12/2016 01:59 PM
9071	Feature	Closed	Normal	Clean up Alvarez-Ruso Coherent Pion Model	Gabriel Perdue	09/21/2015 09:38 AM
9064	Feature	Closed	Normal	Port non-RooMUHistos part of MINERvA validation app into GENIE "comparisons"	Julia Yarba	11/09/2015 10:10 AM

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9063	Feature	Closed	Normal	Implement common-use event loop driver SW component for the GENIE "comparisons"	Julia Yarba	11/09/2015 10:10 AM
9062	Feature	Closed	Normal	port MINERvA validation package into the "comparisons" (sub)structure of GENIE	Julia Yarba	11/09/2015 10:11 AM
9057	Feature	Closed	Normal	implement initial version of I/O infrastructure for the GENIE ReWeight domain	Julia Yarba	11/09/2015 10:11 AM
8531	Feature	Closed	Normal	Port Berger-Sehgal into integration branch (trunk)		06/05/2015 04:23 PM
8373	Feature	Closed	Normal	Expand GENIE pdg table to include Gd	Robert Hatcher	04/20/2015 12:05 PM
8372	Feature	Closed	Normal	Implement pilot app (incl. necessary infrastructure based on DataComp/Base/GExModel) to process MINERvA data and MC	Julia Yarba	04/20/2015 12:08 PM
8248	Feature	Assigned	Normal	Argon de-ex and low-Energy x-sec validation app	Gabriel Perdue	05/02/2016 01:44 PM
8247	Feature	Closed	Normal	Clean-up Argon de-excitation code	Gabriel Perdue	05/02/2016 01:44 PM
8246	Feature	Assigned	Normal	Check Strumia and Vissani on Argon	Gabriel Perdue	05/02/2016 01:45 PM
8240	Feature	Assigned	Normal	notification / quality reporting	Julia Yarba	09/21/2015 09:45 AM
8239	Feature	Assigned	Normal	push GENIE after successful build to CVMFS	Tomasz Golan	12/02/2015 06:10 PM
8238	Feature	Closed	Normal	Write a script to populate CVMFS with GENIE 3rd party codes	Robert Hatcher	06/10/2015 05:23 PM
8237	Feature	Assigned	Normal	Resolve CVMFS permissions and usage model	Tomasz Golan	12/02/2015 06:16 PM
8072	Feature	Closed	Normal	Update documentation on the MINERvA validation app	Julia Yarba	06/04/2015 04:57 PM
8071	Feature	Closed	Normal	Commit initial validation/MINERvA development to the official GENIE SVN repo	Julia Yarba	11/09/2015 10:11 AM
8070	Feature	Closed	Normal	Start adapting MINERvA validation app to Tuning interface	Julia Yarba	04/20/2015 12:09 PM
8069	Feature	Closed	Normal	Explore Tuning package (new addition to GENIE)	Julia Yarba	04/20/2015 12:09 PM
8068	Feature	Closed	Normal	Explore the proposed Tuning package and start adapting to it validation/MINERvA package	Julia Yarba	11/09/2015 10:12 AM
7937	Feature	Closed	Normal	Improve GENIE validation/MINERvA application	Julia Yarba	04/20/2015 12:11 PM
7936	Feature	Closed	Normal	Export GENIE validation- and automation-related developments into v2_9-like environment	Julia Yarba	04/20/2015 10:26 AM
7599	Feature	Rejected	Normal	Establish GENIE CVMFS repository	Gabriel Perdue	04/29/2015 02:48 PM
7496	Feature	Closed	Normal	Fully automated build scripts	Gabriel Perdue	04/29/2015 02:49 PM
7492	Feature	Closed	Normal	Change GENIEHelper::PackSimpleFlux to handling variables in Aux branch	Robert Hatcher	03/16/2015 12:17 PM
7491	Feature	Closed	Normal	Change gnumi2simple_basic.C to fill muparp{xyz}	Robert Hatcher	03/16/2015 12:17 PM
7490	Feature	Closed	Normal	Expand GSimpleNtpFlux support for additional variables	Robert Hatcher	03/16/2015 12:18 PM
7434	Feature	Closed	Normal	Inclusive Eta Production	Robert Hatcher	03/05/2015 03:43 PM
7433	Feature	Closed	Normal	Very high energy additions	Robert Hatcher	03/05/2015 03:43 PM
7431	Feature	Closed	Normal	Single Kaon model	Gabriel Perdue	03/05/2015 03:41 PM
7429	Feature	Closed	Normal	Nowak-Dytman modifications to Resonance Model	Gabriel Perdue	04/20/2015 10:23 AM
7428	Feature	Rejected	Normal	Berger-Sehgal COH Pion (Paper Implementation)	Gabriel Perdue	03/05/2015 03:39 PM
7426	Feature	Closed	Normal	Bodek-Coopersmith SUSANA Model	Gabriel Perdue	03/05/2015 03:39 PM
7425	Feature	Closed	Normal	GENIE 2.9	Gabriel Perdue	04/20/2015 12:06 PM

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7420	Feature	Closed	Normal	Integrate ifdh file handling mechanism into GENIEHelper	Robert Hatcher	02/27/2019 12:11 PM
6818	Feature	Assigned	Normal	Grid access and permissions	Tomasz Golan	09/21/2015 09:48 AM
6639	Feature	Closed	Normal	Test the BS model against Berger's Nulnt 09 Numbers	Gabriel Perdue	10/12/2016 02:16 PM
6638	Feature	Closed	Normal	Clean up the kinematics doc	Gabriel Perdue	10/12/2016 01:59 PM
6637	Feature	Closed	Normal	Move the bounds of integration into the Rein-Sehgal model.	Gabriel Perdue	09/21/2015 09:42 AM
6636	Feature	Closed	Normal	Finite nucleus mass correction for coherent pion model	Gabriel Perdue	10/12/2016 02:16 PM
6635	Feature	Closed	Normal	Paschos-Schalla bounds of integration for Berger-Sehgal	Gabriel Perdue	05/02/2016 01:38 PM
6593	Feature	Closed	Normal	Berger Sehgal review implementation		10/12/2016 02:16 PM
6542	Feature	New	Normal	Investigate GENIE/Geant interface for handling de-excitation photons	Gabriel Perdue	11/23/2016 11:24 AM
6518	Feature	New	Normal	Allow user to specify the UserPhysicsOptions name/location.		10/05/2015 10:17 AM
6462	Feature	Assigned	Normal	Write scripting framework to build and run GENIE for the automated validation suite.	Tomasz Golan	09/21/2015 09:49 AM
6461	Feature	Closed	Normal	Secure hardware resources	Gabriel Perdue	04/20/2015 10:25 AM
6460	Feature	Closed	Normal	Test the new FNAL Build Service with CVMFS	Tomasz Golan	09/21/2015 09:50 AM
6428	Feature	Rejected	Normal	Non-IBD VLE reactions on Carbon	Gabriel Perdue	04/03/2015 01:48 PM
6427	Feature	Rejected	Normal	De-excitation Photons for IBD on Carbon	Gabriel Perdue	04/03/2015 01:47 PM
6426	Feature	Closed	Normal	Check Strumia and Vissani on Carbon	Gabriel Perdue	04/20/2015 10:25 AM
6414	Feature	Assigned	Normal	Validate / Expand VLE Mode	Gabriel Perdue	05/02/2016 01:44 PM
6184	Feature	Assigned	Normal	Evaluation of complex scenarios, such a handling CHORUS data that may include composite flux (nu-nubar) and composite (mixed) target	Julia Yarba	03/11/2015 05:28 PM
6183	Feature	Resolved	Normal	Port/update of the infrastructure for regression testing	Julia Yarba	06/05/2015 10:36 AM
6108	Feature	Assigned	Normal	Add interface to nusoft/nutools-art GENIEHelper class to allow setting the random # generators	Robert Hatcher	05/22/2015 04:28 PM
6107	Feature	Assigned	Normal	Wrap CLHEP random # engine into TRandom3 derived class for use w/ genie::RandomGen	Robert Hatcher	05/22/2015 04:30 PM
6106	Feature	Assigned	Normal	Expand genie::RandomGen to allow externally supplied psuedo-random generator engine	Robert Hatcher	05/01/2014 01:50 PM
6105	Feature	Assigned	Normal	Expand genie::RandomGen to fully support different engines for different phases	Robert Hatcher	05/01/2014 01:47 PM
6104	Feature	Assigned	Normal	Expand features supported by Numerical/RandomGen	Robert Hatcher	05/22/2015 04:28 PM
6079	Feature	Assigned	Normal	Restructure Genie validation/Hadronization package	Julia Yarba	12/11/2015 12:29 PM
6058	Feature	Closed	Normal	Finish Jacobian calculation for Berger-Sehgal coherent pion model.	Gabriel Perdue	07/07/2014 12:02 PM
6057	Feature	Closed	Normal	Implement importance sampling for Berger-Sehgal coherent pion model.	Gabriel Perdue	06/13/2014 10:15 AM
6056	Feature	Closed	Normal	Synchronize _devel_branch_not_for_users_v280_06jun13_hugh_nd9832nxll3a1 branch and check for changes.	Gabriel Perdue	05/30/2014 03:17 PM
6055	Feature	Closed	Normal	Finish implementation of Berger-Sehgal Coherent Pion Model	Gabriel Perdue	10/12/2016 02:16 PM
6050	Feature	Assigned	Normal	Full Automated Validation Framework	Gabriel Perdue	12/02/2015 06:16 PM
1745	Feature	Closed	Normal	enhance GNumIFlux/GSimpleFlux to take vector of strings for filenames	Robert Hatcher	04/29/2014 10:05 AM