Simulation Tools and Features - Issues

#	Tracker	Status	Priority	Subject	Assignee	Updated
23991	Bug	New	High	Missing header in v01_00_02		02/03/2020 09:01 PM
17571	Support	Assigned	Normal	Validate 10.3.ref07	Julia Yarba	08/23/2017 11:00 AM
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
14628	Feature	New	High	Transition to new Comparisons package	Julia Yarba	03/30/2017 11:12 AM
13210	Support	Assigned	Normal	G4 GNUMakefile support for builds needs fix for new Factory	Robert Hatcher	07/12/2016 09:53 AM
12507	Support	Assigned	Normal	upload to the *upgraded* Val.Repository results from geant4.10.1.p03, 10.2, 10.2.p01, and 10..2.ref01	Julia Yarba	08/23/2017 10:56 AM
11890	Support	Resolved	Normal	in geant4.9.6.p04, re-run test47 for Cu and Pb targets		03/03/2016 06:40 PM
11294	Task	New	Normal	Perform simulations using an artificial particle decay	Lucio Santi	12/23/2015 11:31 AM
11293	Task	New	Normal	Perform simulations using a non-constant magnetic field	Lucio Santi	12/23/2015 11:26 AM
11292	Task	New	Normal	Vary deltaInt parameter	Lucio Santi	01/08/2016 02:13 AM
11291	Task	Resolved	Normal	Make plots of the intersection points	Lucio Santi	01/08/2016 02:14 AM
11290	Task	Resolved	Normal	Document efficiency metrics	Lucio Santi	12/28/2015 03:32 PM

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11250	Task	Resolved	Normal	make sure there exists a common set of values used in the "experiment 1" and "profiling"	Lucio Santi	12/29/2015 10:31 AM
11153	Support	Resolved	Normal	document the change in the production yield of kaons between Geant4 versions 9.6.p04 and 10.1.p02	Hans-Joachim Wenzel	01/06/2016 04:57 PM
11128	Support	Assigned	Normal	perform statistical tests of (chi2 scan vs beam momentum/energy) in geant4-10-02	Julia Yarba	12/11/2015 12:20 PM
11122	Feature	Assigned	Normal	expand p+Ta->pbar validation by including exp. data at theta=3.5deg (of the outgoing pbar)	Julia Yarba	12/10/2015 03:40 PM
10714	Feature	New	Normal	Evaluate single sign on service provided by cern to authenticae geant 4 exprt users	Hans-Joachim Wenzel	12/15/2015 03:14 PM
10198	Task	New	Normal	Count Number of Crossings	Nicolas Ponieman	09/20/2015 02:00 PM
9682	Feature	Resolved	Normal	Implement proper search functionalities	Hans-Joachim Wenzel	05/03/2016 04:45 PM
9645	Task	New	Normal	Complete the Results page for the N02 example	Nicolas Ponieman	07/16/2015 11:57 AM
9622	Support	Resolved	High	transfer g4devel functionality to g4validation	Hans-Joachim Wenzel	05/03/2016 04:47 PM
9603	Support	New	Normal	Write code to stop/write out artg4tk particles entering ANNIE detector		07/13/2015 11:53 AM
9602	Support	New	Normal	Write stepping/stacking action for ANNIE neutron study in artg4tk		07/13/2015 11:51 AM
9601	Support	New	Normal	Write module so artg4tk can read GENIE output		07/13/2015 11:49 AM
9600	Support	New	Normal	Get ANNIE experiment setup to use artg4tk		07/13/2015 11:47 AM
9596	Support	Work in progress	Normal	Help ANNIE get started on Simulations	Robert Hatcher	07/12/2016 10:06 AM
9311	Bug	New	Normal	Create a test results page in the wiki and create a template to present the results	Nicolas Ponieman	07/16/2015 11:51 AM
9258	Bug	New	Normal	Determine output units		06/22/2015 08:47 AM
9103	Bug	Assigned	Normal	Investigate Reported FSI Reweighting Issue	Robert Hatcher	07/13/2015 11:19 AM
8336	Feature	Resolved	Normal	provide undo delete feature	Hans-Joachim Wenzel	07/15/2015 10:40 AM
8248	Feature	Assigned	Normal	Argon de-ex and low-Energy x-sec validation app	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
8237	Feature	Assigned	Normal	Resolve CVMFS permissions and usage model	Tomasz Golan	12/02/2015 06:16 PM
8155	Support	Assigned	Normal	add p+H double diff spectra	Julia Yarba	12/11/2015 12:13 PM
8063	Feature	Resolved	Urgent	Configure http logging to central logger to fulfile requirement for exemption	Hans-Joachim Wenzel	07/15/2015 10:42 AM
7416	Feature	Assigned	Normal	follow up on pbar simulation enhancement request	Krzysztof Genser	07/12/2016 10:51 AM
6977	Support	Assigned	Normal	Investigate mechanisms replacing the primary interaction	Robert Hatcher	01/22/2016 02:06 PM
6818	Feature	Assigned	Normal	Grid access and permissions	Tomasz Golan	09/21/2015 09:48 AM
6668	Feature	Work in progress	Normal	Re-implement G4PhysListFactory	Robert Hatcher	07/12/2016 10:07 AM
6570	Support	Assigned	Normal	export existing exp.datasets and plots into the new infrastructure	Julia Yarba	12/11/2015 12:29 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

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6506	Feature	Resolved	Normal	automated upload to database using provided script	Hans-Joachim Wenzel	05/03/2016 04:58 PM
6504	Feature	Resolved	Normal	uploading of tests	Hans-Joachim Wenzel	05/03/2016 04:51 PM
6495	Support	Assigned	Normal	Test running artg4tk on fermigrid	Hans-Joachim Wenzel	06/17/2014 02:52 PM
6494	Feature	Assigned	Normal	create sensitive Detector which recods energy and cerenkov deposits as a function of time (time slices)	Hans-Joachim Wenzel	06/17/2014 02:44 PM
6480	Feature	Assigned	Normal	Address missing decays of short-lived resonances in Geant4	Julia Yarba	12/07/2015 04:52 PM
6479	Support	Assigned	Normal	Add one or several hadronic tests to ctest-machinery	Julia Yarba	12/07/2015 04:30 PM
6478	Feature	Assigned	Normal	Factorization and implementation of common-use software for the Geant4 hadronic validation framework	Julia Yarba	12/11/2015 12:11 PM
6476	Feature	Assigned	Normal	improve statitsical analysis tools for the validation framework	Julia Yarba	12/11/2015 12:13 PM
6474	Support	Assigned	Normal	research and include other high energy thin target data (incl. more from NA49)	Julia Yarba	09/29/2016 12:15 PM
6473	Support	Assigned	Normal	addition of NA49 p+H datasets	Julia Yarba	12/11/2015 12:13 PM
6471	Support	Assigned	Normal	Development and maintenance of Geant4 hadronic validation framework	Julia Yarba	09/29/2016 12:15 PM
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
6414	Feature	Assigned	Normal	Validate / Expand VLE Mode	Gabriel Perdue	05/02/2016 01:44 PM
6331	Feature	New	Normal	create benchmark for Mu2e pion production		05/22/2014 04:52 PM
6327	Support	New	Normal	provide information regarding transition to v10		05/22/2014 12:11 PM
6326	Support	New	Normal	write guidelines regarding overlap checking		05/22/2014 12:07 PM
6324	Feature	Resolved	Normal	work towards providing api to study systematic errors		04/28/2016 05:17 PM
6321	Support	Assigned	Normal	verify tau decays	Robert Hatcher	05/22/2014 02:29 PM
6265	Support	New	Normal	G4 decays of charm particles is inadequate		05/13/2014 05:34 PM
6238	Feature	New	Normal	Request for detailed control of selected physics process		05/12/2014 01:42 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
6074	Support	Assigned	Normal	Transition from Pythia6 to Pythia8	Gabriel Perdue	05/02/2016 01:40 PM
6050	Feature	Assigned	Normal	Full Automated Validation Framework	Gabriel Perdue	12/02/2015 06:16 PM
2673	Support	Assigned	Normal	Rework flux file globbing/wildcarding	Robert Hatcher	05/22/2015 04:16 PM

#	Tracker	Status	Priority	Subject	Assignee	Updated
2670	Support	Work in progress	Normal	Spline file generation and reduction	Robert Hatcher	07/12/2016 10:04 AM
2669	Support	Assigned	Normal	Study of # of knots in spline files	Robert Hatcher	05/22/2015 03:54 PM