Simulation Tools and Features - Issues

#	Tracker	Status	Priority	Subject	Assignee	Updated
19565	Support	Closed	Normal	superchic central production and LHE files	Stephen Mrenna	04/05/2018 09:34 AM
17571	Support	Assigned	Normal	Validate 10.3.ref07	Julia Yarba	08/23/2017 11:00 AM
13684	Support	Closed	Normal	validate Geant4.102.ref07, with the focus on Bertini & FTF	Julia Yarba	08/23/2017 10:51 AM
13435	Support	Closed	Normal	valiate geant4.10.3.b01	Julia Yarba	08/23/2017 10:52 AM
13210	Support	Assigned	Normal	G4 GNUMakefile support for builds needs fix for new Factory	Robert Hatcher	07/12/2016 09:53 AM
13139	Support	Closed	Normal	validate geant4.10.2.p02	Julia Yarba	08/23/2017 10:52 AM
12594	Support	Closed	Normal	Validate geant4-10-02-ref-04	Julia Yarba	07/15/2016 01:39 PM
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
12275	Support	Closed	Normal	validate geant4-10-02-ref-03	Julia Yarba	07/15/2016 01:42 PM
11890	Support	Resolved	Normal	in geant4.9.6.p04, re-run test47 for Cu and Pb targets		03/03/2016 06:40 PM
11889	Support	Closed	Normal	repeat test47 validation with geant4.9.5.p01	Julia Yarba	04/04/2016 06:15 PM
11888	Support	Closed	Normal	validate geant4.10.2.p01	Julia Yarba	04/04/2016 06:16 PM
11887	Support	Closed	Normal	validate release geant4-10-01-patch03	Julia Yarba	04/04/2016 06:16 PM
11731	Support	Closed	Normal	Validate release geant4-10-02-ref-01	Julia Yarba	04/04/2016 06:19 PM
11154	Support	Closed	Normal	Include NuBeam, Shielding, ShieldingM, FTFP_BERT, QGSP_BERT physics list in the standard set of Geant4 tests	Julia Yarba	07/15/2016 01:44 PM
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
11151	Support	Closed	Normal	kaon test with 120 GeV protons striking thin Carbon target	Julia Yarba	08/23/2017 10:56 AM
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
11127	Support	Closed	Normal	validate release geant4-10-02	Julia Yarba	04/04/2016 06:19 PM
10668	Support	Closed	High	valuate release geant4-10-01-ref-10	Julia Yarba	12/22/2015 05:13 PM
10667	Support	Closed	Normal	validate release geant4-10-01-ref09	Julia Yarba	12/22/2015 05:13 PM
10388	Support	Closed	Normal	GENIE 2.10 Validation	Gabriel Perdue	05/02/2016 01:43 PM
10192	Support	Closed	Normal	Diagnose/Follow up on Muon g-2 problems with muon decays with spin	Krzysztof Genser	07/12/2016 10:43 AM
10145	Support	Closed	Normal	valuate release geant4-10-01-ref-08	Julia Yarba	11/09/2015 10:06 AM
10144	Support	Closed	Normal	migrate G4 hadronic validation from cluck.fnal.gov to tev.fnal.gov	Julia Yarba	11/09/2015 10:07 AM
10076	Support	Closed	Normal	Validate that NuTools (NOvA & LArSoft) builds under Geant4.10.1.p02	Robert Hatcher	12/01/2017 12:09 PM
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

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9600	Support	New	Normal	Get ANNIE experiment setup to use artg4tk		07/13/2015 11:47 AM
9599	Support	Closed	Normal	Configure GENIE (gevgen_fnal) for ANNIE rock event generation	Robert Hatcher	07/12/2016 09:39 AM
9598	Support	Closed	Normal	Configure flux driver for ANNIE	Robert Hatcher	07/12/2016 09:41 AM
9597	Support	Closed	Normal	Assemble basic ANNIE Geometry	Robert Hatcher	07/12/2016 09:42 AM
9596	Support	Work in progress	Normal	Help ANNIE get started on Simulations	Robert Hatcher	07/12/2016 10:06 AM
9340	Support	Closed	Normal	validate release geant4-10-02-beta	Julia Yarba	07/20/2015 05:42 PM
9339	Support	Closed	Normal	validate release geant4-10-01-ref06	Julia Yarba	07/20/2015 05:42 PM
9338	Support	Closed	Normal	validate release geant4-10-01-patch02	Julia Yarba	07/20/2015 05:41 PM
9303	Support	Closed	Normal	Loss of status 23 photons to status 1	Stephen Mrenna	06/25/2015 01:19 PM
9288	Support	Closed	Normal	Using onMode and mayDecay to mark a resonance as stable.	Stephen Mrenna	06/24/2015 09:47 AM
9241	Support	Closed	Normal	Validate internal release geant4-10.1-ref05	Julia Yarba	06/24/2015 04:29 PM
9222	Support	Closed	Normal	question about unparticle and LED implementation in Pythia8		06/16/2015 09:23 AM
9221	Support	Closed	Normal	LHE Files with Pythia8 Double Parton Scattering	Stephen Mrenna	06/16/2015 09:13 AM
9220	Support	Closed	Normal	Graviton Mass and Gravity Scale in Pythia8 ADD	Stephen Mrenna	06/16/2015 09:10 AM
9034	Support	Closed	Normal	Add more experimental data to database	Rasheed Auguste	12/15/2015 03:13 PM
8782	Support	Closed	Normal	validate release geant4.10.1-ref04	Julia Yarba	06/15/2015 08:57 PM
8781	Support	Closed	Normal	implement release highlight materials for Geant4.10.1.p01	Julia Yarba	06/24/2015 04:28 PM
8374	Support	Closed	Normal	Generate a standard set of R-2_9_0 cross section splines	Robert Hatcher	04/20/2015 12:05 PM
8344	Support	Closed	Normal	pdg id 1000022 to refer to some new dark matter particle		06/16/2015 08:59 AM
8308	Support	Closed	Normal	perform basic validation of geant4 10.1.p01 ups build	Krzysztof Genser	04/27/2015 11:21 AM
8307	Support	Closed	Normal	improve Mu2e PS Enclosure implementation	Krzysztof Genser	04/27/2015 11:18 AM
8306	Support	Closed	Normal	implement initial version of the Mu2e TS coil assemblies	Krzysztof Genser	04/27/2015 11:19 AM
8264	Support	Closed	Normal	validate Geant4.10.1.p01	Julia Yarba	04/20/2015 12:13 PM
8155	Support	Assigned	Normal	add p+H double diff spectra	Julia Yarba	12/11/2015 12:13 PM
8154	Support	Closed	Normal	add p+H dN/dxF and <pt> vs xF spectra	Julia Yarba	05/06/2015 11:12 AM
7890	Support	Closed	Normal	Translating Pythia8 output into stdhep		06/16/2015 08:59 AM
7813	Support	Closed	Normal	Using "used" PDG ids for BSM particles in an LHE file		06/16/2015 09:00 AM
7804	Support	Closed	Normal	Issues with decaying LHE files with p8/p8 & off-shell decays		06/16/2015 09:01 AM
7783	Support	Closed	Normal	Follow up and advise on port of BooNE Beam MC to geant4.9.6-series (and beyond)	Julia Yarba	04/20/2015 12:19 PM
7782	Support	Closed	Normal	validate geant4.9.6.p04	Julia Yarba	03/10/2015 05:48 PM
7781	Support	Closed	Normal	validate releases 10.0.p01, 10.0.ref08, ref09, 10.1-cand00, 10.1	Julia Yarba	03/10/2015 05:42 PM
7519	Support	Closed	Normal	Pythia 8 for LSP with mass = 0 GeV	Stephen Mrenna	06/16/2015 09:01 AM
7517	Support	Closed	Normal	Pythia 8 BeamRemnants	Stephen Mrenna	06/16/2015 09:02 AM

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7499	Support	Closed	Normal	high mass diphoton resonance theoretical shape pythia	Stephen Mrenna	06/16/2015 09:02 AM
7498	Support	Closed	Normal	How does Pythia8 handle SLHA files with multiplie inits	Stephen Mrenna	06/16/2015 09:02 AM
7453	Support	Closed	Normal	Pythia8 reading of SLHA files in CMSSW	Stephen Mrenna	06/16/2015 09:03 AM
7415	Support	Closed	Normal	follow up on pbar validation	Julia Yarba	04/20/2015 12:18 PM
7002	Support	Closed	Normal	Evaluate and document data sets used and to be used in the Geant4 validation procedure	Julia Yarba	05/06/2015 11:20 AM
7001	Support	Closed	Normal	Upload geant4.10.0.ref07 validation results into the validation repository	Julia Yarba	03/10/2015 05:30 PM
7000	Support	Closed	Normal	Document/automate Geant4 validation procedure	Julia Yarba	04/20/2015 12:17 PM
6999	Support	Closed	Normal	Describe/Document NuBeam Physics List	Julia Yarba	04/20/2015 12:17 PM
6998	Support	Closed	Normal	Validate geant4.10.0.ref07 release	Julia Yarba	03/10/2015 05:38 PM
6977	Support	Assigned	Normal	Investigate mechanisms replacing the primary interaction	Robert Hatcher	01/22/2016 02:06 PM
6570	Support	Assigned	Normal	export existing exp.datasets and plots into the new infrastructure	Julia Yarba	12/11/2015 12:29 PM
6548	Support	Closed	Normal	upload geant4 v10 hadronic validation data	Julia Yarba	08/07/2014 10:41 AM
6499	Support	Closed	Normal	Add more experimental data to the repository	Hans-Joachim Wenzel	03/11/2015 10:22 AM
6498	Support	Closed	Normal	Transfer data from geant 4 ASCII tables to the validation database	Hans-Joachim Wenzel	03/11/2015 10:19 AM
6496	Support	Closed	Low	extend the information stored in the Event to include statistics about the physics processes a la CaTS	Hans-Joachim Wenzel	06/09/2015 01:55 PM
6495	Support	Assigned	Normal	Test running artg4tk on fermigrid	Hans-Joachim Wenzel	06/17/2014 02:52 PM
6493	Support	Closed	Normal	import readHits analysis module from CaTS to artg4tk	Hans-Joachim Wenzel	06/09/2015 01:56 PM
6492	Support	Closed	Normal	create examples relevant to neutrino experiments	Hans-Joachim Wenzel	06/09/2015 01:56 PM
6491	Support	Closed	Normal	Packaging/distribution of artg4tk	Hans-Joachim Wenzel	12/08/2015 03:20 PM
6481	Support	Closed	Normal	Expand Geant4 documentation on creating/modifying physics lists	Julia Yarba	05/06/2015 11:31 AM
6479	Support	Assigned	Normal	Add one or several hadronic tests to ctest-machinery	Julia Yarba	12/07/2015 04:30 PM
6477	Support	Closed	Normal	Continue validation of the NuBeam physics list	Julia Yarba	12/22/2015 05:14 PM
6475	Support	Closed	Normal	incorporate in test23 a subset of HARP data	Julia Yarba	11/09/2015 10:08 AM
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
6472	Support	Closed	Normal	addition of NA49 double diff. xsec	Julia Yarba	05/06/2015 11:36 AM
6471	Support	Assigned	Normal	Development and maintenance of Geant4 hadronic validation framework	Julia Yarba	09/29/2016 12:15 PM
6470	Support	Closed	Normal	Present validation results to the Geant4 Hadronic group	Julia Yarba	03/10/2015 05:26 PM
6469	Support	Closed	Normal	upload results of earlier validation rounds	Julia Yarba	03/10/2015 05:39 PM
6468	Support	Closed	Normal	validation of geant4-10-00-ref-05	Julia Yarba	03/10/2015 05:39 PM
6467	Support	Closed	Normal	validate Geant4 releases	Julia Yarba	06/24/2015 04:29 PM
6457	Support	Closed	Normal	HAD_RDM_010 exception	Krzysztof Genser	03/10/2015 05:24 PM

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6456	Support	Closed	Normal	Migrate Overlay procedure from MINOS "dogwood" reco to "elm" reco	Robert Hatcher	01/04/2016 12:21 PM
6386	Support	Closed	Normal	Finish up oddities in MINOS data overlays on Minerva MC	Robert Hatcher	01/04/2016 12:20 PM
6380	Support	Closed	Normal	Enhance Minerva's use of MINOS simulation	Robert Hatcher	01/04/2016 12:22 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
6325	Support	Closed	Normal	do graphics usage survey	Krzysztof Genser	06/23/2015 06:26 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
6263	Support	Closed	Normal	Check 3-body kaon decay branching fractions in current Geant4	Robert Hatcher	12/03/2014 03:48 PM
6162	Support	Closed	Normal	different behavior of Pythia6 with gcc-4.9	Stephen Mrenna	06/16/2015 09:03 AM
6077	Support	Closed	Normal	Transition to the newest LHAPDF (6)	Gabriel Perdue	10/20/2014 11:31 AM
6076	Support	Closed	Normal	Make sure all GENIE 3rd party software packages build under clang.	Gabriel Perdue	05/02/2016 01:41 PM
6075	Support	Closed	Normal	Get GENIE to build under clang on Mac OSX.	Gabriel Perdue	05/02/2016 01:41 PM
6074	Support	Assigned	Normal	Transition from Pythia6 to Pythia8	Gabriel Perdue	05/02/2016 01:40 PM
2678	Support	Closed	Normal	Add to ROOTGeomAnalyzer smart caching of maxpathlength table	Robert Hatcher	04/29/2014 10:09 AM
2675	Support	Closed	Normal	Support common mechanism for GNuMIFlux to GSimpleNtpFlux conversions	Robert Hatcher	11/23/2016 11:18 AM
2674	Support	Closed	Normal	Speed up GSimpleNtpFlux using Index() & co methods	Robert Hatcher	04/30/2014 12:02 PM
2673	Support	Assigned	Normal	Rework flux file globbing/wildcarding	Robert Hatcher	05/22/2015 04:16 PM
2671	Support	Closed	Normal	Add "Exposure" mix-in class to relevant flux methods	Robert Hatcher	04/20/2015 12:04 PM
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
2668	Support	Closed	Normal	Validate that event generation rate is maxpathlength independent	Robert Hatcher	04/29/2014 09:59 AM
1744	Support	Closed	Normal	Minerva reports different shape of Q^2 and e_lepton depending on flux file	Robert Hatcher	06/02/2014 12:15 PM