

## BornAgain - Issues

#	Tracker	Status	Priority	Subject	Assignee	Target version	% Done	Created	Author
326	Feature	Resolved	Normal	Use magnetic calculation when a magnetic material is present		Sprint 15	0	08 Jul 2013 12:13	herck
14	Feature	Resolved	Normal	Choose platform-independent build system		Sprint 16	100	25 Apr 2012 10:21	herck
398	Documentation	Archived	Normal	default installation from tgz; direct only experts to git snapshot		Sprint 17	0	11 Sep 2013 18:58	wuttke
455	Documentation	Archived	Normal	Add demos into Examples/python section		Sprint 17	0	18 Oct 2013 10:03	pospelov
421	Testing	Rejected	Normal	Repair Performance test		Sprint 18	0	30 Sep 2013 09:49	pospelov
529	Testing	Archived	Normal	Create TRange unit test		Sprint 18	0	10 Dec 2013 11:45	Anonymous
530	Testing	Archived	Normal	Create AxisBin unit test		Sprint 18	0	10 Dec 2013 12:57	Anonymous
535	Testing	Archived	Normal	Modify Particle unit test		Sprint 18	0	17 Dec 2013 13:41	Anonymous
536	Testing	Archived	Normal	Create FTDistributions unit test		Sprint 18	0	17 Dec 2013 13:42	Anonymous
445	Testing	Archived	Normal	Implement BornAgainFit unit test infrastructure		Sprint 19	0	15 Oct 2013 11:02	pospelov
537	Testing	Archived	Normal	Create MultiLayer unit test		Sprint 19	0	17 Dec 2013 17:59	Anonymous
551	Testing	Archived	Normal	Implement tests for AttLimits, FitParameter, FitParameterLinked		Sprint 19	0	02 Jan 2014 14:38	Anonymous
554	Testing	Archived	Normal	Implement ParticleDecoration unit test		Sprint 19	0	08 Jan 2014 11:10	pospelov
556	Testing	Archived	Normal	Implement HomogeneousMaterial and HomogeneousMagneticMaterials unit tests		Sprint 19	0	08 Jan 2014 11:12	pospelov
557	Testing	Archived	Normal	Implement OutputData<Eigen::Matrix2d> unit test		Sprint 19	0	08 Jan 2014 11:13	pospelov
559	Testing	Archived	Normal	Implement SpecularMatrix unit test		Sprint 19	0	09 Jan 2014 10:25	pospelov
560	Testing	Archived	Normal	Implement ScalarRTCoefficients unit test		Sprint 19	0	09 Jan 2014 10:29	pospelov
561	Testing	Archived	Normal	Implement MathFunctions unit test		Sprint 19	0	09 Jan 2014 10:37	pospelov
562	Testing	Archived	Normal	Implement MatrixRTCoefficients unit test		Sprint 19	0	09 Jan 2014 10:44	pospelov
563	Testing	Archived	Normal	Revise Beam unit test		Sprint 19	0	09 Jan 2014 10:50	pospelov
564	Testing	Archived	Normal	Implement ScalarSpecularInfoMap and MatrixSpecularInfoMap test		Sprint 19	0	09 Jan 2014 17:40	pospelov
598	Feature	Resolved	Normal	Implement OutputData widget		Sprint 21	0	12 Feb 2014 13:46	pospelov
599	Feature	Resolved	Normal	Extend OutputData widget with projections		Sprint 21	0	12 Feb 2014 13:46	pospelov
613	Feature	Resolved	Normal	Complete correspondence between domain and GUI model objects		Sprint 21	100	14 Feb 2014 13:42	herck
696	Feature	Archived	Normal	Implement check for unsaved project and corresponding save/discard widget		Sprint 22	0	03 Jun 2014 17:57	pospelov
699	Feature	Archived	Normal	Implement ParameterModel and corresponding view delegates for real time SimulationView		Sprint 22	0	04 Jun 2014 14:14	pospelov
702	Feature	Rejected	Normal	Implement position particle info equivalent in GUI		Sprint 23	0	04 Jun 2014 15:02	pospelov
746	Feature	Archived	Normal	Refactor GUI's OutputDataWidget to disantagle projections/property editor/plot widget.		Sprint 23	0	01 Aug 2014 15:19	pospelov

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747	Feature	Archived	Normal	Finalize QuickSimulationView.		Sprint 23	0	01 Aug 2014 15:24	pospelov
604	Feature	Archived	Normal	Implement QStandardItemModel hierarchy		Sprint 23	100	12 Feb 2014 15:22	herck
825	Feature	Archived	Normal	Update default behaviour of OutputDataWidget		Sprint 24	0	26 Sep 2014 15:41	pospelov
783	Feature	Archived	Normal	Design BornAgain main application icon		Sprint 25	0	27 Aug 2014 15:28	pospelov
795	Testing	Archived	Normal	Test dmg package		Sprint 25	0	02 Sep 2014 11:09	ganeva
841	Feature	Archived	Normal	Implement 'About BornAgain' widget in Menu/Help		Sprint 25	0	17 Oct 2014 16:31	pospelov
851	Feature	Archived	Normal	GUI: disable qDebug() outputs for Release build		Sprint 25	0	22 Oct 2014 16:02	pospelov
854	Feature	Archived	Normal	Provide splash screen for starting GUI		Sprint 25	0	23 Oct 2014 08:58	pospelov
894	Feature	Archived	Normal	GUI: create collapsible group box		Sprint 25	0	11 Nov 2014 13:53	Anonymous
942	Documentation	Archived	Normal	Write release 1.0.0 news letter for extended mailing list		Sprint 26	0	02 Feb 2015 10:06	pospelov
946	Documentation	Archived	Normal	Drupal: write how to get help and how to request a new feature in FAQ section		Sprint 26	0	02 Feb 2015 10:26	pospelov
1000	Testing	Archived	Normal	Implement ParameterDistribution and DistributionHandler unit tests		Sprint 26	0	06 Mar 2015 11:20	pospelov
1003	Testing	Archived	Normal	Implement LatticeBasis unit test		Sprint 26	0	06 Mar 2015 14:45	pospelov
1117	Bug	Archived	Normal	Implement GUI/PyScript functional tests for 2D para crystal and various FTDistributions function		Sprint 28	0	02 Jul 2015 09:33	pospelov
1264	Refactoring	Rejected	Normal	Refactor ParameterizedItem's different naming schemes		Sprint 30	0	22 Dec 2015 15:05	herck
335	Feature	Archived	Normal	Check Python 3 compatibility		Sprint 31	0	23 Jul 2013 09:49	pospelov
1113	Bug	Rejected	Normal	GUI: python script view is not updating while selecting different multilayers		Sprint 31	0	26 Jun 2015 16:46	pospelov
1295	Refactoring	Archived	Normal	remove 'inc/' and 'src/' directory level		Sprint 31	0	02 Feb 2016 14:46	wuttke
1296	Refactoring	Archived	Normal	update internal information about performance tests		Sprint 31	0	02 Feb 2016 15:02	wuttke
1305	Feature	Rejected	Normal	GUI: Make real time simulation aware of current zoom level to speed up the performance		Sprint 31	0	05 Feb 2016 15:07	pospelov
1367	Bug	Archived	Normal	Fix python bindings to make fitting example FitAlongSlices working		Sprint 31	0	07 Mar 2016 15:47	pospelov
1388	Feature	Archived	Normal	GUI: refactor RealTimeActivity		Sprint 31	0	18 Mar 2016 16:10	pospelov
1653	Feature	Resolved	Normal	Outcome of BornAgain user meetings in November		Sprint 33	0	20 Nov 2016 13:55	pospelov
1658	Bug	Resolved	Normal	add qt5-svg as a dependency		Sprint 33	0	22 Nov 2016 09:31	jmfisher
1662	Bug	Resolved	Normal	CMake: require Qt version 5.4		Sprint 33	0	22 Nov 2016 15:53	pospelov
1759	Bug	Rejected	Normal	GUI: sample script view shows false warnings		Sprint 33	0	26 Jan 2017 09:47	pospelov
1769	Feature	Resolved	Normal	support TIFF data from A. Nent		Sprint 33	0	21 Feb 2017 12:22	wuttke
1667	Feature	Resolved	Normal	Read DESY/dpdak tiff files to BornAgain GUI		Sprint 33	100	24 Nov 2016 10:06	ganeva
1792	Bug	Rejected	Normal	Invalid memory access in MaskGraphicsScene destructor		Sprint 34	0	06 Apr 2017 17:24	pospelov
1815	Bug	Rejected	Normal	GUI: FitView sometimes stops fit progress update		Sprint 35	0	02 Jun 2017 16:20	pospelov

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1852	Documentation	Resolved	Normal	Remove Eigen3 dependency on BornAgain website before releasing		Sprint 36	0	13 Oct 2017 16:07	herck
1855	Feature	Resolved	Normal	Modify installation instructions for Win and MacOS to stress forthcoming Python3 transition		Sprint 36	0	16 Oct 2017 11:04	pospelov
1883	Bug	Rejected	Normal	Make MaterialItem create proper type of material		Sprint 36	0	10 Nov 2017 10:30	dmitry
1963	Documentation	Rejected	Normal	Website: web-link highlight in tables		Sprint 36	0	13 Feb 2018 17:55	dmitry
1973	Bug	Rejected	Normal	BornAgain functional tests fail under Python 3.6		Sprint 36	0	21 Feb 2018 13:39	dmitry
926	Feature	Rejected	Normal	Provide evanescent wave python example		Sprint 37	0	14 Jan 2015 08:48	pospelov
1675	Feature	Rejected	Normal	Get rid of ctypes.addressof in PySampleBuilder		Sprint 37	0	24 Nov 2016 17:57	pospelov
1998	Bug	Rejected	Normal	Wrong number of samples displayed in distribution widget for cosine distribution		Sprint 37	0	05 Mar 2018 18:05	dmitry
2009	Bug	Rejected	Normal	qwindowsvistatsyle.dll cannot be found under Qt5.9.3 on windows		Sprint 37	0	12 Mar 2018 21:32	dmitry
2019	Bug	Rejected	Normal	Windows build occasionally fails		Sprint 37	0	20 Mar 2018 14:24	dmitry
2445	Feature	Resolved	Normal	GUI: fix fancy toolbars under Linux		Sprint 43	0	05 May 2020 16:39	pospelov
13	Feature	Rejected	Normal	Implement parameterized shape functions and their respective form factors			0	19 Apr 2012 14:33	herck
34	Feature	Rejected	Normal	Implement different types of detector scans			0	25 May 2012 15:25	pospelov
37	Feature	Rejected	Normal	Comparison with experiment: fit sample ex001 from our database			0	25 May 2012 16:41	pospelov
78	Feature	Rejected	Normal	Code quality: insert App code in doxygen in the form of the group; remove Doc, ThirdParty from grok indexing			0	07 Aug 2012 11:58	pospelov
79	Feature	Resolved	Normal	Framework general: measure Eigen library performance in the view of gsl_matrix, BasicVector3D, Coordinates3D refactoring			0	09 Aug 2012 11:04	pospelov
83	Refactoring	Rejected	Normal	Performance: integration over angles			0	07 Sep 2012 15:18	herck
89	Refactoring	Rejected	Normal	Performance: collapse long IFormFactor chains			0	20 Sep 2012 08:34	herck
91	Refactoring	Rejected	Normal	Refactoring: NamedVector subclass which holds equidistant binning			0	27 Sep 2012 12:57	pospelov
98	Feature	Rejected	Normal	Provide automatic generation of diffuse scattering particles (2)			0	08 Oct 2012 10:29	herck
104	Refactoring	Rejected	Normal	Restructure global data shared by App and Core			0	10 Oct 2012 16:56	herck
157	Documentation	Resolved	Normal	full documentation of implemented theory for para- and mesocrystals			0	21 Jan 2013 10:48	herck
165	Feature	Rejected	Normal	Implement automatic averaging over distributed parameters			0	31 Jan 2013 15:31	herck
166	Documentation	Rejected	Normal	Create architectural overview documentation			0	04 Feb 2013 10:07	herck
168	Refactoring	Rejected	Normal	Create class to hold Experiment, SimulationParameters and ISample			0	06 Feb 2013 12:51	herck
174	Feature	Rejected	Normal	Gui prototype: implement prototype of Fit window with empty docks for Fit RunInfo, Minimizer Settings, Parameters, Area selection			0	18 Feb 2013 11:42	pospelov
180	Feature	Rejected	Normal	Investigate serialization of Core objects			0	20 Feb 2013 16:42	herck
199	Documentation	Archived	Normal	uniform use of "bornagain" in all project pages and URLs			0	09 Mar 2013 11:04	wuttke

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201	Documentation	Archived	Normal	insert pub/ into directory structure			0	09 Mar 2013 11:26	wuttke
211	Refactoring	Rejected	Normal	Get rid from fixRatioBetweenParameters in parameter pool by introducing new ParticleBuilder			0	12 Mar 2013 10:44	pospelov
222	Feature	Rejected	Normal	PythonAPI: provide import of OutputData class from numpy array			0	19 Mar 2013 12:49	pospelov
224	Documentation	Resolved	Normal	shut down overnight Doxygen update			0	20 Mar 2013 08:15	wuttke
235	Documentation	Archived	Normal	Metrics for compile time and execution time			0	21 Mar 2013 11:45	wuttke
243	Bug	Rejected	Normal	App/App produces tons of warnings			0	24 Mar 2013 08:53	wuttke
262	Refactoring	Rejected	Normal	clarify semantics of INamed			0	11 Apr 2013 16:46	wuttke
267	Bug	Rejected	Normal	Fix stderr redirection of TestCore unit tests			0	17 Apr 2013 11:33	herck
293	Feature	Rejected	Normal	Provide export of ISample object into python code creating the same object			0	03 Jun 2013 11:36	pospelov
300	Feature	Rejected	Normal	Investigate alternatives to Monte-Carlo computation of non-analytic form factors			0	01 Jul 2013 17:29	herck
315	Documentation	Rejected	Normal	For the sake of modern look and fill - install latest dokuwiki			0	04 Jul 2013 17:21	pospelov
337	Feature	Rejected	Normal	cmake: implement CPack generation of tgz archive			0	25 Jul 2013 21:42	pospelov
380	Refactoring	Rejected	Normal	Get rid from multiple inheritance ICloneable, IParameterized			0	02 Sep 2013 14:38	pospelov
387	Documentation	Rejected	Normal	Provide correct calculation of detected intensity for polarization			0	04 Sep 2013 11:17	herck
395	Feature	Rejected	Normal	Create rpm package			0	10 Sep 2013 12:55	wuttke
401	Feature	Rejected	Normal	Code cleanup in widgetbox to get rid from private Qt headers			0	19 Sep 2013 10:07	pospelov
405	Feature	Rejected	Normal	Move filepath definitions to one single class/namespace			0	24 Sep 2013 09:59	herck
420	Feature	Rejected	Normal	Refactor BornAgainCPack by removing generator's setting in separate files			0	27 Sep 2013 12:41	pospelov
425	Feature	Rejected	Normal	Write deployment script for Windows			0	06 Oct 2013 10:34	pospelov
433	Documentation	Rejected	Normal	Write paragraph with performance comparison lsGISAXS vs FitGISAXS vs BornAgain			0	08 Oct 2013 23:38	pospelov
434	Feature	Rejected	Normal	User Requests campaign			0	10 Oct 2013 14:33	pospelov
442	Documentation	Rejected	Normal	Review SoftwareDesignOverview section			0	11 Oct 2013 18:03	pospelov
464	Feature	Rejected	Normal	Investigate running TeamCity build agent on Windows server			0	29 Oct 2013 16:41	pospelov
466	Bug	Rejected	Normal	Our CMake gets confused when there are boost 1.46 and 1.48 present on the system			0	30 Oct 2013 17:40	pospelov
474	Feature	Rejected	Normal	Implement functional test to run through all defined form factors			0	07 Nov 2013 15:30	pospelov
487	Documentation	Rejected	Normal	Provide screenshots for project homepage			0	07 Nov 2013 16:32	wuttke
496	Documentation	Rejected	Normal	Add description of the covered functionality			0	12 Nov 2013 16:35	ganeva
500	Feature	Rejected	Normal	Windows installer: check presence of Python			0	18 Nov 2013 09:47	pospelov

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513	Feature	Rejected	Normal	Composition of transformations			0	26 Nov 2013 12:30	herck
542	Feature	Rejected	Normal	Windows installer: check existence of BornAgain and uninstall it if exists			0	20 Dec 2013 11:39	pospelov
583	Feature	Rejected	Normal	Implement beam divergence functional test			0	06 Feb 2014 15:21	pospelov
592	Documentation	Rejected	Normal	Write Appendix section about Layer, MultiLayer, Roughness, Particle			0	12 Feb 2014 13:36	pospelov
593	Documentation	Rejected	Normal	Write Doxygen section about Layer, MultiLayer, Roughness, Particle			0	12 Feb 2014 13:37	pospelov
602	Feature	Rejected	Normal	Provide serialization of JobModel			0	12 Feb 2014 15:11	pospelov
621	Documentation	Rejected	Normal	Clean up OpenGrok code browser			0	25 Feb 2014 09:46	pospelov
632	Bug	Rejected	Normal	Strange behavior of Lattice2DIFParameters from python			0	10 Mar 2014 13:50	pospelov
656	Feature	Rejected	Normal	Implement views for 1D and 2D paracrystals			0	14 Apr 2014 11:23	pospelov
692	Documentation	Resolved	Normal	Put manual into form that is appropriate to be cited			0	03 Jun 2014 15:02	herck
698	Feature	Rejected	Normal	Fix incompatibility between integration over bin and infinite particles			0	04 Jun 2014 12:45	herck
767	Feature	Rejected	Normal	Add functionality into MinimizerFactory::printCatalogue.			0	14 Aug 2014 14:10	pospelov
793	Feature	Rejected	Normal	Icon for BornAgain application			0	02 Sep 2014 11:08	ganeva
794	Feature	Resolved	Normal	Create dmg package			0	02 Sep 2014 11:09	ganeva
842	Feature	Rejected	Normal	Provide IntensityData object with helper methods to import user data			0	21 Oct 2014 08:59	pospelov
875	Documentation	Archived	Normal	Provide content for <a href="http://gisaxs.com">http://gisaxs.com</a>			0	29 Oct 2014 14:40	herck
890	Feature	Rejected	Normal	Formfactor restrictions in fitting and distributions			0	07 Nov 2014 16:14	ganeva
892	Feature	Rejected	Normal	Provide BornAgain support in MacPorts			0	11 Nov 2014 11:43	pospelov
906	Documentation	Resolved	Normal	Update part of the user manual about SSCA approximation			0	25 Nov 2014 14:52	ganeva
940	Feature	Rejected	Normal	GUI: implement export to Python script			0	02 Feb 2015 09:46	pospelov
945	Documentation	Rejected	Normal	Drupal: add prototype of new content to represent PythonAPI items			0	02 Feb 2015 10:19	pospelov
947	Refactoring	Rejected	Normal	Refactor DWBASimulation family			0	02 Feb 2015 10:58	pospelov
985	Documentation	Rejected	Normal	Explain convolution sign ( $\otimes$ ) in User Manual			0	20 Feb 2015 11:47	wuttke
988	Documentation	Resolved	Normal	Reformat landscape-oriented table			0	20 Feb 2015 12:21	wuttke
995	Refactoring	Rejected	Normal	New GUI buttons are badly visible under MacOS			0	24 Feb 2015 17:33	herck
1004	Feature	Rejected	Normal	GUI: revise tooltips in all GUI elements			0	06 Mar 2015 15:13	pospelov
1029	Feature	Rejected	Normal	ToF support in OffSpecSimulation			0	07 Apr 2015 23:12	a.glavic
1030	Feature	Rejected	Normal	SLD, specular and particle density			0	07 Apr 2015 23:20	a.glavic
1031	Documentation	Rejected	Normal	Coordinate system and transformations			0	07 Apr 2015 23:26	a.glavic
1044	Feature	Rejected	Normal	Encode magnetization of materials instead of total magnetic induction			0	17 Apr 2015 15:09	herck
1070	Bug	Rejected	Normal	Unix should install to /usr/local/lib, not to versioned subdirectory			0	09 May 2015 09:39	wuttke

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1080	Feature	Rejected	Normal	Provide convenient way of running/comparing jobs with same plotting style			0	12 May 2015 16:05	pospelov
1089	Refactoring	Rejected	Normal	Refactor interface of evaluate(pol) of Form Factors			0	21 May 2015 13:45	herck
1094	Refactoring	Rejected	Normal	Remove ISample::preprocess			0	28 May 2015 10:16	herck
1098	Documentation	Rejected	Normal	Add Python examples Interference2DLatticeSumOfRotated and TriangularRipple to Drupal			0	10 Jun 2015 12:31	herck
1103	Feature	Rejected	Normal	extend simulation to transmission geometry (detector images with z<0)			0	12 Jun 2015 17:57	wuttke
1104	Documentation	Rejected	Normal	don't use version-dependent URLs in the online docs			0	17 Jun 2015 09:35	wuttke
1135	Documentation	Resolved	Normal	Manual: describe core shell particles			0	15 Jul 2015 17:29	pospelov
1139	Feature	Rejected	Normal	Py: Provide Simulation class with possibility to set vector of SimulationElements from outside			0	17 Jul 2015 11:24	pospelov
1185	Feature	Rejected	Normal	GUI: implement Q-space detector in GUI			0	14 Sep 2015 13:33	pospelov
1187	Feature	Rejected	Normal	Implement 1D fitting in SpecularSimulation			0	16 Sep 2015 10:18	pospelov
1199	Support	Rejected	Normal	Consider implementation of partial structure factor			0	06 Oct 2015 10:28	pospelov
1284	Refactoring	Rejected	Normal	Move particle surface density to interference function instead of particle layout			0	25 Jan 2016 13:02	herck
1286	Refactoring	Rejected	Normal	don't include each core .h file in each .pypp.cpp file			0	02 Feb 2016 09:22	wuttke
1308	Feature	Rejected	Normal	GUI: take care about margins in ColorMapPlot			0	08 Feb 2016 10:31	pospelov
1332	Refactoring	Rejected	Normal	replace Boost.Atomic by C++11 <atomic>			0	11 Feb 2016 10:23	wuttke
1336	Bug	Resolved	Normal	GUI: fix "Settings" menu bar on MacOSX			0	12 Feb 2016 18:23	pospelov
1348	Configuration	Rejected	Normal	Buildbot: install agent on scgmini and attach Mavericks/Yosemite/El Capitan vagrant boxes			0	19 Feb 2016 13:37	pospelov
1349	Feature	Rejected	Normal	Buildbot: provide tutorial how to add new build configuration: Linux			0	19 Feb 2016 13:38	pospelov
1357	Refactoring	Resolved	Normal	to discuss: authorship and file headers			0	29 Feb 2016 09:58	wuttke
1364	Bug	Rejected	Normal	Problems with infinite form factors			0	03 Mar 2016 15:28	wuttke
1366	Refactoring	Resolved	Normal	Revise boost libraries usage			0	04 Mar 2016 13:55	pospelov
1397	Feature	Rejected	Normal	GUI: decimals			0	24 Mar 2016 20:40	david
1403	Bug	Resolved	Normal	absence of gsl.h not detected by cmake			0	12 Apr 2016 08:56	wuttke
1414	Documentation	Rejected	Normal	regenerate form factor images in manual			0	19 Apr 2016 11:34	wuttke
1418	Refactoring	Resolved	Normal	provide cotangent, and replace division by tan(alpha) in pyramids			0	25 Apr 2016 15:02	wuttke
1430	Refactoring	Resolved	Normal	Consider moving FormFactor unit tests to a single functional test			0	12 May 2016 10:43	pospelov
1437	Documentation	Rejected	Normal	Release requirement: Update example scripts			0	30 May 2016 13:33	wuttke
1448	Bug	Rejected	Normal	Remove html directory from source tarball			0	03 Jun 2016 09:24	pospelov
1451	Documentation	Rejected	Normal	update to Drupal 8			0	03 Jun 2016 11:52	wuttke

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1456	Refactoring	Rejected	Normal	Automatize update of Py Examples			0	08 Jun 2016 12:28	wuttke
1464	Bug	Resolved	Normal	TestCoreP unit test is failing under MacOS			0	13 Jun 2016 21:09	pospelov
1476	Refactoring	Rejected	Normal	Revise installation directory structure under Linux			0	22 Jun 2016 13:57	ganeva
1480	Configuration	Rejected	Normal	Buildbot: provide tutorial how to add new build configuration: Windows			0	01 Jul 2016 13:39	herck
1481	Configuration	Rejected	Normal	Buildbot: provide tutorial how to add new build configuration: MacOS			0	01 Jul 2016 13:39	herck
1482	Configuration	Rejected	Normal	Investigate forced build on buildbot, parameterized by <branch>			0	01 Jul 2016 13:42	herck
1489	Refactoring	Rejected	Normal	Build: refactor fix_apple_bundle for the production of MacOS installer			0	01 Jul 2016 13:48	pospelov
1491	Refactoring	Rejected	Normal	GUI: improve GUI fitting performance			0	01 Jul 2016 13:49	pospelov
1500	Configuration	Rejected	Normal	MacOS: provide vagrant test box for El Capitan			0	06 Jul 2016 17:59	pospelov
1503	Feature	Rejected	Normal	GUI: provide intuitive way to insert layer into multilayer			0	12 Jul 2016 09:26	wuttke
1505	Feature	Rejected	Normal	GUI: move windows menu from right-click-popup to topbar "Windows" pulldown			0	12 Jul 2016 10:09	wuttke
1510	Feature	Rejected	Normal	replace "Houston, we have a problem"			0	12 Jul 2016 14:34	wuttke
1532	Refactoring	Rejected	Normal	clarify relation of PoIDWBAMagCylinders2 and StandardSimulations/StandardSimulations.h/cpp to standard Core function tests			0	22 Jul 2016 16:00	wuttke
1533	Feature	Rejected	Normal	implement missing Python export for MesoCrystal			0	23 Jul 2016 15:44	wuttke
1535	Refactoring	Rejected	Normal	rm intermediate directory 'coregui'			0	26 Jul 2016 07:52	wuttke
1538	Refactoring	Rejected	Normal	AttLimits::isInRange(value) returns true for value==m_lower_limit, and false for value==m_upper_limit			0	27 Jul 2016 15:38	wuttke
1551	Refactoring	Resolved	Normal	rename directory RootWrapper/ and files therein			0	01 Aug 2016 11:33	wuttke
1552	Bug	Resolved	Normal	FormFactorTrivial should have RadialExtension = 0			0	01 Aug 2016 14:30	wuttke
1554	Feature	Rejected	Normal	provide script to update Python files upon name changes in BornAgain			0	01 Aug 2016 15:34	wuttke
1557	Refactoring	Rejected	Normal	FitParameterLinked causes weird coupling			0	01 Aug 2016 21:42	wuttke
1567	Refactoring	Rejected	Normal	Core: FF: API: omit »FormFactor« from particle geometry class names			0	03 Aug 2016 10:56	wuttke
1570	Refactoring	Rejected	Normal	replace parameter accessor methods getFoo() by getParameterValue("Foo")			0	03 Aug 2016 15:01	wuttke
1574	Bug	Rejected	Normal	Find the way of comfort work in Qt creator in the absence of some headers			0	04 Aug 2016 13:03	pospelov
1582	Refactoring	Resolved	Normal	Correct model for dense particles on surface			0	09 Aug 2016 08:53	a.glavic
1596	Refactoring	Rejected	Normal	handle variable instance names differently from fixed class names (=> split INamed)			0	31 Aug 2016 12:16	wuttke
1597	Refactoring	Rejected	Normal	One Simulation should be concerned with no more than one sample			0	31 Aug 2016 12:18	wuttke
1598	Refactoring	Rejected	Normal	decide on policy for incomplete ICompositeSample descendant constructors			0	31 Aug 2016 17:08	wuttke

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1599	Feature	Rejected	Normal	provide another suite of functional tests: simulate on different grids, and test numeric consistence of results			0	31 Aug 2016 17:35	wuttke
1611	Feature	Rejected	Normal	Specular peak: add option in GUI for calculating the specular peak			0	06 Oct 2016 11:25	herck
1619	Feature	Rejected	Normal	Implement support of comma separated ASCII data in IntensityDataIOFactory::readOutputData			0	19 Oct 2016 14:15	pospelov
1627	Bug	Rejected	Normal	python API kvector_t missing basic operator			0	08 Nov 2016 08:47	a.glavic
1631	Feature	Rejected	Normal	No impact of abundance optional argument in ParticleLayout addParticle method for single particle			0	11 Nov 2016 10:32	a.glavic
1632	Bug	Resolved	Normal	GUI: delete button doesn't work on MacBook for masks on ImportDataView			0	11 Nov 2016 12:22	pospelov
1637	Bug	Rejected	Normal	GUI: just loaded fitting project appears as already changed			0	14 Nov 2016 16:56	pospelov
1640	Configuration	Rejected	Normal	Doxygen generation on apps server not compatible anymore with links to API			0	15 Nov 2016 12:19	herck
1644	Documentation	Rejected	Normal	"User Login" block on homepage should explain _why_ to create account			0	16 Nov 2016 17:40	wuttke
1649	Refactoring	Resolved	Normal	Ensure consistent use of ambientMaterial			0	19 Nov 2016 17:28	wuttke
1694	Feature	Rejected	Normal	GUI: Provide a way to save fitted image into the file.			0	01 Dec 2016 13:37	wuttke
1695	Feature	Rejected	Normal	GUI: Implement crash handler, and restoration of state before crash			0	01 Dec 2016 13:44	wuttke
1699	Feature	Rejected	Normal	functional tests: Improve MinimizerCatalogue::toString			0	01 Dec 2016 14:31	wuttke
1700	Refactoring	Rejected	Normal	Implement FitSuite::printParameters (or ::parametersToString.)			0	01 Dec 2016 14:32	wuttke
1701	Feature	Rejected	Normal	import real-space sample configuration, e.g. from molecular dynamics (morphology file of IsGISAXS)			0	01 Dec 2016 14:34	wuttke
1703	Feature	Rejected	Normal	GUI: provide convenient way to set min,max for relative difference map.			0	01 Dec 2016 14:37	wuttke
1707	Refactoring	Resolved	Normal	refactor LayerStrategyBuilder, DecoratedLayerComputation -> LayoutStrategyBuilder, DecoratedLayoutComputation			0	01 Dec 2016 16:48	wuttke
1710	Documentation	Rejected	Normal	Manual: explain particle density			0	01 Dec 2016 17:41	wuttke
1713	Refactoring	Rejected	Normal	light refactoring proposals			0	02 Dec 2016 13:37	wuttke
1716	Feature	Rejected	Normal	Core: GISASSimulation::setBeamParameter: default value 0 for third parameter phi_i			0	02 Dec 2016 14:41	wuttke
1717	Bug	Rejected	Normal	Core: GISASSimulation: setBeamParameters and setDetectorParameters have opposite order of alpha, phi			0	02 Dec 2016 14:46	wuttke
1720	Refactoring	Rejected	Normal	Vacuum() instead of HomogeneousMaterial("Air", 0.0, 0.0)			0	02 Dec 2016 20:35	wuttke
1721	Feature	Rejected	Normal	Scattered intensity should depend on beam size and sample size			0	05 Dec 2016 09:30	wuttke
1731	Refactoring	Rejected	Normal	Reduce number of TODOs in code			0	07 Dec 2016 14:54	herck
1738	Feature	Rejected	Normal	Rename files and classes in Multilayer to resolve ambiguity about "Matrix"			0	12 Dec 2016 16:40	wuttke



#	Tracker	Status	Priority	Subject	Assignee	Target version	% Done	Created	Author
1748	Refactoring	Rejected	Normal	Consider IParameter storing the data by reference			0	18 Jan 2017 12:02	pospelov
1750	Feature	Rejected	Normal	Consider cleanup of Git repository to make it smaller in size			0	19 Jan 2017 10:41	pospelov
1752	Documentation	Archived	Normal	Create tutorial about multiple particle layouts.			0	19 Jan 2017 11:17	pospelov
1767	Feature	Rejected	Normal	array operations for python custom form factor			0	17 Feb 2017 12:19	jmfisher
1770	Feature	Rejected	Normal	support CBF data from A. Nent			0	21 Feb 2017 12:23	wuttke
1771	Feature	Resolved	Normal	GUI: create FitProjectionsWidget to compare projections of real .vs. simulated data			0	24 Feb 2017 14:30	pospelov
1794	Bug	Rejected	Normal	GUI: minimizer settings wrongly loaded from project file			0	07 Apr 2017 09:55	pospelov
1796	Feature	Rejected	Normal	GUI: consider adding read only property 'Volume' to the form factor			0	07 Apr 2017 11:24	pospelov
1837	Documentation	Rejected	Normal	Prepare blender files for 3D form factor images rendering			0	13 Sep 2017 15:39	pospelov
1873	Feature	Rejected	Normal	Consider incoherent scattering			0	27 Oct 2017 14:23	ganeva
1877	Feature	Rejected	Normal	Revise Utils, Helper, Assistant and Functions usage in file names			0	02 Nov 2017 17:31	pospelov
1887	Refactoring	Rejected	Normal	Switch to new signal/slot mechanism in Qt (since c++11)			0	10 Nov 2017 16:40	herck
1896	Bug	Rejected	Normal	cmake does not detect missing libboost-iostreams-dev			0	19 Nov 2017 13:07	wuttke
1898	Bug	Resolved	Normal	GUI: »New to BornAgain?« -> »Web docs«			0	19 Nov 2017 13:21	wuttke
1899	Feature	Rejected	Normal	Provide exemplary experimental data, and make them accessible from the GUI.			0	19 Nov 2017 13:26	wuttke
1900	Feature	Rejected	Normal	enable ^X ^C ^V ^Z ^A in GUI			0	19 Nov 2017 13:28	wuttke
1901	Bug	Resolved	Normal	warnings from Gtk			0	19 Nov 2017 13:35	wuttke
1920	Feature	Resolved	Normal	Adapt BornAgain GUI for 4k displays			0	07 Dec 2017 11:51	pospelov
1939	Refactoring	Rejected	Normal	Move the angle span from SpecularDetector1D to the beam			0	17 Jan 2018 14:05	dmitry
1950	Feature	Rejected	Normal	Investigate hdf5 as default format for BornAgain data files			0	29 Jan 2018 11:17	pospelov
2003	Documentation	Resolved	Normal	Website: integrate doxygen generated API to Hugo			0	09 Mar 2018 08:49	pospelov
2004	Documentation	Rejected	Normal	Website: style doxygen generated API to the new website			0	09 Mar 2018 08:50	pospelov
2032	Refactoring	Resolved	Normal	Update Examples/Demos for Python3			0	09 Apr 2018 15:26	ganeva
2046	Feature	Rejected	Normal	Provide defense against running Python script with wrong version of Python interpreter			0	03 May 2018 12:08	pospelov
2052	Refactoring	Resolved	Normal	Consider switching to C++17			0	17 May 2018 10:15	dmitry
2055	Bug	Rejected	Normal	BornAgain cannot fit multiple datasets if sample is created with sample builder			0	22 May 2018 14:13	dmitry
2065	Feature	Rejected	Normal	Enable roi for off-specular instrument			0	29 May 2018 15:26	dmitry
2077	Documentation	Rejected	Normal	Update ParticleDistribution tutorial			0	13 Jun 2018 16:44	pospelov
2088	Documentation	Rejected	Normal	Website: remove links to external css			0	14 Jun 2018 17:37	pospelov
2100	Configuration	Rejected	Normal	Make boost iostreams, zlib and bzip submodules in the project			0	22 Jun 2018 15:12	dmitry

#	Tracker	Status	Priority	Subject	Assignee	Target version	% Done	Created	Author
2117	Feature	Rejected	Normal	Provide buildbot configuration to test "make install" in user directory			0	19 Jul 2018 14:10	pospelov
2121	Testing	Rejected	Normal	Consider using mutation testing			0	24 Jul 2018 14:37	herck
2126	Feature	Rejected	Normal	Make default fit observer for specular simulations work with several data sets			0	30 Jul 2018 10:28	dmitry
2136	Bug	Rejected	Normal	Memory leak			0	10 Aug 2018 18:31	herck
2144	Documentation	Rejected	Normal	Add information on website for graded layer approximation			0	12 Sep 2018 12:53	herck
2145	Feature	Rejected	Normal	Enable different axis units for plots in FitObserver			0	12 Sep 2018 14:40	herck
2151	Bug	Rejected	Normal	Import Intensity File - dialog opens behind BornAgain main window.			0	14 Sep 2018 13:59	juan
2158	Documentation	Resolved	Normal	Extend website with nightly builds to accomodate for early testers			0	19 Sep 2018 13:56	herck
2165	Feature	Rejected	Normal	Consider disabling x,y offset in ParticleItem menu when they do not affect scattering pattern			0	20 Sep 2018 15:22	pospelov
2212	Bug	Rejected	Normal	Saving 1d data in tiff format causes BornAgain to crash.			0	26 Oct 2018 14:25	juan
2216	Configuration	Resolved	Normal	Remove stgz extension in BornAgainCPack.cmake			0	06 Nov 2018 15:43	herck
2250	Documentation	Resolved	Normal	Fix doxygen documentation			0	10 Dec 2018 12:12	dmitry
2252	Configuration	Rejected	Normal	Investigate the possibility to use different versions of shared libraries on Linux without recompilation of the code			0	10 Dec 2018 16:35	dmitry
2271	Feature	Rejected	Normal	Provide units Angstroms in import 1D data widget			0	21 Dec 2018 12:18	pospelov
2272	Bug	Rejected	Normal	Reports from the school: coefficients are not scalar bug.			0	21 Dec 2018 14:24	pospelov
2276	Support	Rejected	Normal	TO MOVE: Provide simulation of mpnc sample for DESY			0	10 Jan 2019 09:18	pospelov
2302	Feature	Rejected	Normal	Provide form factor for hexagon-based twisted pyramid			0	13 Feb 2019 14:06	ganeva
2317	Feature	Rejected	Normal	GUI: relax extension constraints for 2D data import			0	05 Mar 2019 09:35	ganeva
2318	Feature	Rejected	Normal	GUI: rotate imported 2D dataset			0	05 Mar 2019 09:40	ganeva
2345	Testing	Rejected	Normal	Unit test for loading Reflectometry ASCII data			0	07 May 2019 17:47	juan
2351	Feature	Rejected	Normal	nomenclature: find better term than "interference" for lattices or correlation functions			0	13 May 2019 12:16	wuttke
2352	Feature	Rejected	Normal	Provide means to save real-space view as image (or animation?)			0	13 May 2019 12:55	wuttke
2358	Feature	Resolved	Normal	Save/read reflectometry data/simulation in consistent units			0	14 May 2019 12:04	juan
2362	Bug	Rejected	Normal	GUI: can neither quit, nor cancel an endless job			0	17 May 2019 13:45	wuttke
2369	Refactoring	Rejected	Normal	rename ThirdParty/Fit/RootMinimizers			0	19 May 2019 18:51	wuttke
2375	Bug	Rejected	Normal	fit along slices example fails to converge			0	04 Jun 2019 18:41	dmitry
2386	Refactoring	Rejected	Normal	why not "ISimulation" instead of "Simulation"?			0	31 Jul 2019 10:31	wuttke
2387	Refactoring	Rejected	Normal	Rename "OffSpecularConverter"			0	31 Jul 2019 10:35	wuttke
2405	Refactoring	Rejected	Normal	Simplify IterationStrategy and related classes			0	23 Sep 2019 14:21	dmitry
2434	Refactoring	Rejected	Normal	Update file header everywhere			0	06 Apr 2020 11:03	pospelov

#	Tracker	Status	Priority	Subject	Assignee	Target version	% Done	Created	Author
2440	Feature	Rejected	Normal	TO DISCUSS: Core: Run static code analyzer once			0	09 Apr 2020 10:30	pospelov
2451	Feature	Rejected	Normal	Provide Windows installer generation in Appveyor builds			0	13 May 2020 10:39	pospelov
2452	Feature	Rejected	Normal	Provide MacOS installer generation in Travis builds			0	13 May 2020 10:40	pospelov
2453	Feature	Rejected	Normal	Provide a tarball generation in Travis builds			0	13 May 2020 10:42	pospelov
2475	Refactoring	Rejected	Normal	Parameterization: BaseMaterialImpl: typeId			0	11 Jul 2020 08:58	wuttke
191	Bug	Rejected	Normal	Gui: improve performance of TQtWidget in the case of CONT4Z option			10	06 Mar 2013 15:19	pospelov
269	Testing	Rejected	Normal	PythonAPI: prepare set of C++/Python binding examples using SIP			10	25 Apr 2013 13:21	pospelov
271	Feature	Rejected	Normal	Implement PyQt4 prototype			10	26 Apr 2013 11:14	pospelov
986	Documentation	Resolved	Normal	Add (uncomment) short references to form factor pages			40	20 Feb 2015 11:51	wuttke
292	Feature	Rejected	Normal	SampleDesigner: Provide conversion of SampleView into ISample object			50	03 Jun 2013 11:34	pospelov
1331	Refactoring	Resolved	Normal	regenerate Python bindings after moving declaration of cvector_t, kvector_t out of Types.h.			50	10 Feb 2016 20:12	wuttke
1999	Documentation	Resolved	Normal	Cleanup redmine wiki			50	07 Mar 2018 10:41	pospelov
1363	Feature	Rejected	Normal	== Unix build ==			80	03 Mar 2016 13:56	wuttke
1361	Feature	Rejected	Normal	== Win build ==			89	03 Mar 2016 13:56	wuttke
32	Feature	Rejected	Normal	Implement neutron polarization (for magnetic scattering)			100	23 May 2012 13:40	herck
158	Refactoring	Rejected	Normal	Refactor parameter pool			100	23 Jan 2013 13:48	pospelov
189	Feature	Rejected	Normal	GUI: implement prototype(s), decide about architecture			100	05 Mar 2013 12:23	pospelov
240	Refactoring	Rejected	Normal	Renaming campaign			100	23 Mar 2013 13:10	wuttke
285	Feature	Rejected	Normal	decide about Python binding			100	09 May 2013 20:59	wuttke
287	Feature	Rejected	Normal	IntensityData campaign			100	09 May 2013 23:11	wuttke
297	Refactoring	Rejected	Normal	Refactor campaign for SampleDesigner			100	20 Jun 2013 18:02	pospelov
369	Documentation	Rejected	Normal	UserManual campaign			100	26 Aug 2013 10:55	herck
386	Feature	Rejected	Normal	Add extra functionality for neutron polarization			100	04 Sep 2013 11:12	herck
412	Testing	Resolved	Normal	Unit and functional tests campaign			100	25 Sep 2013 16:47	pospelov
422	Documentation	Rejected	Normal	Write page with BornAgain / IsGISAXS comparison			100	30 Sep 2013 09:51	pospelov
601	Feature	Rejected	Normal	=== Investigate OpenMP/MPI/GPU ===			100	12 Feb 2014 13:49	pospelov
693	Feature	Rejected	Normal	Usability issues and small feature requests from first users.			100	03 Jun 2014 17:55	pospelov
853	Feature	Rejected	Normal	Provide particles with size distribution in GUI			100	23 Oct 2014 08:40	pospelov
1150	Configuration	Rejected	Normal	Improve release script procedure			100	31 Jul 2015 15:28	herck
1279	Documentation	Archived	Normal	Inkscape tasks			100	20 Jan 2016 16:07	wuttke
1304	Refactoring	Resolved	Normal	Unify treatment of numeric constants.			100	04 Feb 2016 11:21	wuttke

#	Tracker	Status	Priority	Subject	Assignee	Target version	% Done	Created	Author
1362	Feature	Rejected	Normal	== Mac build ==			100	03 Mar 2016 13:56	wuttke
1402	Envelope task	Archived	Normal	cmake tasks (OS independent)			100	12 Apr 2016 08:54	wuttke
1423	Bug	Resolved	Normal	== eliminate warnings ==			100	28 Apr 2016 12:00	wuttke
1534	Feature	Rejected	Normal	=== Parameter handling ===			100	25 Jul 2016 19:29	wuttke
1606	Envelope task	Archived	Normal	=== Manual and Examples ===			100	14 Sep 2016 15:49	wuttke
1645	Feature	Rejected	Normal	== Graded layer and cross-layer particles ==			100	16 Nov 2016 18:18	wuttke
1714	Feature	Rejected	Normal	== Enhance functionality ==			100	02 Dec 2016 13:40	wuttke
1822	Feature	Resolved	Normal	SWIG: how to report error details from the method overloaded in Python.			100	27 Jun 2017 17:03	pospelov
53	Feature	Archived	Normal	UI Design		Sprint 10	0	04 Jul 2012 11:12	herck
179	Feature	Archived	Normal	Link Core library to GUI		Sprint 11	0	20 Feb 2013 16:42	herck
254	Bug	Archived	Normal	Problem with form factor of cylinder		Sprint 12	0	05 Apr 2013 10:05	celine
239	Documentation	Archived	Normal	clean up redmine		Sprint 13	0	23 Mar 2013 09:59	wuttke
25	Testing	Archived	Normal	Logos version in git repository		Sprint 2	0	16 May 2012 09:38	pospelov
42	Feature	Archived	Normal	Code browsing: Implement automatic nightly doxygen and dedicated web page		Sprint 3	0	21 Jun 2012 16:54	pospelov
2073	Feature	Rejected	Normal	Define objectives for Sprint 38		Sprint 38	0	13 Jun 2018 13:19	pospelov
2083	Feature	Resolved	Normal	3D view: provide selective view update		Sprint 38	0	14 Jun 2018 14:16	pospelov
2089	Refactoring	Rejected	Normal	Extract calculation of region maps out of IComputationTerm		Sprint 38	0	15 Jun 2018 15:02	herck
2091	Bug	Rejected	Normal	Memory leak in ColorMap		Sprint 38	0	18 Jun 2018 14:11	dmitry
2084	Feature	Resolved	Normal	3D view: implement mesocrystal		Sprint 39	0	14 Jun 2018 14:19	pospelov
52	Feature	Archived	Normal	User care: write detailed how to install in wiki and in doc/readme		Sprint 4	0	03 Jul 2012 15:05	pospelov
2268	Bug	Rejected	Normal	Sometimes parameter values are reset when they go out of focus		Sprint 40	0	20 Dec 2018 18:45	herck
2324	Bug	Rejected	Normal	Save to TIFF is broken		Sprint 41	0	12 Mar 2019 16:02	dmitry
2328	Bug	Rejected	Normal	Crashing during GISAS fitting		Sprint 41	0	19 Mar 2019 12:25	dmitry
2371	Bug	Rejected	Normal	Ctrl+S doesn't work for saving project on win		Sprint 41	0	22 May 2019 00:10	dmitry
2192	Envelope task	Archived	Normal	1D data import functionality		Sprint 41	100	10 Oct 2018 07:47	dmitry
2210	Testing	Resolved	Normal	Test 1d data import on known file formats		Sprint 41	100	26 Oct 2018 11:09	dmitry
82	Refactoring	Resolved	Normal	Performance: selection rules		Sprint 5	0	07 Sep 2012 15:14	herck
1344	Configuration	Archived	Normal	MacOS: install buildslave to macmini		Sprint32	0	19 Feb 2016 13:30	pospelov
1497	Refactoring	Rejected	Normal	Agree on new Core directory structure and class renaming to Rename certain classes and methods.		Sprint32	0	01 Jul 2016 14:23	pospelov
1502	Configuration	Rejected	Normal	rebase all branches after release (change release script or instructions)		Sprint32	0	11 Jul 2016 13:22	wuttke

#	Tracker	Status	Priority	Subject	Assignee	Target version	% Done	Created	Author
1520	Bug	Archived	Normal	GUI: global progress bar seems to be not updating		Sprint32	0	19 Jul 2016 13:42	pospelov
1559	Bug	Rejected	Normal	Restore intensitydata.py functional test		Sprint32	0	02 Aug 2016 18:08	pospelov
2444	Feature	Rejected	Normal	Provide a nice-to-have list toward more pythonic BornAgain PythonAPI		v2.0	0	22 Apr 2020 13:22	pospelov
1941	Documentation	Resolved	Normal	Website: port Python examples section to Hugo	anikhalder	Sprint 36	0	17 Jan 2018 18:13	pospelov
1948	Feature	Resolved	Normal	Provide fourier transformation of simulated image in GUI	anikhalder	Sprint 36	0	26 Jan 2018 18:25	pospelov
2097	Refactoring	Resolved	Normal	3D view: create PrototypeController to speed up 3D view when number of particles is large	anikhalder	Sprint 38	0	20 Jun 2018 18:22	pospelov
2082	Feature	Resolved	Normal	3D view: implement 1D interference function	anikhalder	Sprint 38	100	14 Jun 2018 14:10	pospelov
212	Documentation	Resolved	Normal	Write description of isgixs01 example for User Manual using latex	celine	Sprint 15	0	12 Mar 2013 20:53	pospelov
331	Documentation	Resolved	Normal	Write simple fitting example and corresponding section in the documentation	celine	Sprint 15	0	18 Jul 2013 17:13	pospelov
449	Documentation	Archived	Normal	Review manual's simulation python example section to conform changes in the script itself	celine	Sprint 17	0	17 Oct 2013 09:42	pospelov
481	Feature	Archived	Normal	Implement/review Cybooctaedron formfactor	celine	Sprint 18	0	07 Nov 2013 15:44	pospelov
480	Feature	Archived	Normal	Implement/review Cone6 formfactor	celine	Sprint 18	60	07 Nov 2013 15:43	pospelov
483	Feature	Archived	Normal	Implement/review Anisotropic pyramid formfactor	celine	Sprint 18	60	07 Nov 2013 15:45	pospelov
477	Feature	Archived	Normal	Implement/review Cone formfactor	celine	Sprint 18	80	07 Nov 2013 15:41	pospelov
478	Feature	Archived	Normal	Implement/review Tethraedron formfactor	celine	Sprint 18	80	07 Nov 2013 15:42	pospelov
479	Feature	Archived	Normal	Implement/review Prism6 formfactor	celine	Sprint 18	80	07 Nov 2013 15:42	pospelov
482	Feature	Archived	Normal	Implement/review Full spheroid formfactor	celine	Sprint 19	0	07 Nov 2013 15:44	pospelov
484	Feature	Archived	Normal	Implement/review Ellipsoid formfactor	celine	Sprint 19	0	07 Nov 2013 15:45	pospelov
485	Feature	Archived	Normal	Implement/review Anisotropic hemi-spheroid formfactor	celine	Sprint 19	0	07 Nov 2013 15:45	pospelov
486	Feature	Archived	Normal	Implement/review Spheroid formfactor	celine	Sprint 19	0	07 Nov 2013 15:46	pospelov
546	Documentation	Archived	Normal	Complete Appendix with all form factors listed	celine	Sprint 19	0	20 Dec 2013 13:43	pospelov
549	Documentation	Archived	Normal	Doxygen API: review form factors description	celine	Sprint 19	0	02 Jan 2014 10:20	pospelov
584	Documentation	Archived	Normal	Write small explanation about core shell form factor in FormFactor's Appendix	celine	Sprint 20	0	06 Feb 2014 15:25	pospelov
589	Documentation	Archived	Normal	Reduce size in Mb of user manual	celine	Sprint 20	0	11 Feb 2014 13:11	pospelov
590	Documentation	Archived	Normal	Write Appendix section about interference functions available	celine	Sprint 20	0	12 Feb 2014 13:35	pospelov
591	Documentation	Archived	Normal	Write Doxygen section about interference functions available	celine	Sprint 20	0	12 Feb 2014 13:36	pospelov
691	Documentation	Archived	Normal	Provide simple cartoons for concepts that are otherwise difficult to understand	celine	Sprint 22	0	03 Jun 2014 15:01	herck
429	Documentation	Archived	Normal	Write Appendix which lists all implemented examples from Examples section	celine	Sprint 24	0	07 Oct 2013 16:46	pospelov

#	Tracker	Status	Priority	Subject	Assignee	Target version	% Done	Created	Author
680	Feature	Archived	Normal	Provide ParameterizedItem's property with tooltips.	celine	Sprint 24	0	16 May 2014 08:59	pospelov
837	Feature	Archived	Normal	Provide all item's properties with correct limits	celine	Sprint 24	0	16 Oct 2014 17:21	pospelov
874	Bug	Archived	Normal	Fix undefined reference	celine	Sprint 25	0	28 Oct 2014 17:02	herck
902	Documentation	Archived	Normal	Fill functionality overview section in Drupal	celine	Sprint 25	0	21 Nov 2014 09:19	celine
577	Support	Archived	Normal	Implement form factor of truncated cubes	celine	Sprint 26	0	23 Jan 2014 14:58	celine
1006	Feature	Archived	Normal	Make icon for Particle Collection in GUI	celine	Sprint 26	0	11 Mar 2015 11:33	herck
538	Refactoring	Resolved	Normal	Implementation of a consistent order of variables for all form factors	celine		0	18 Dec 2013 07:56	celine
617	Documentation	Resolved	Normal	Write small explanation about DWBA in Appendix	celine		0	21 Feb 2014 11:16	celine
618	Documentation	Resolved	Normal	Rename FormFactorParallelepiped into FormfactorBox and vice versa	celine		0	21 Feb 2014 14:59	pospelov
660	Documentation	Resolved	Normal	Merge theoretical sections of appendix	celine		0	15 Apr 2014 12:27	celine
457	Testing	Resolved	Normal	Implement unit tests for form factors	celine		40	21 Oct 2013 10:13	celine
175	Feature	Archived	Normal	Add all IsGISAXS examples to python functional tests	celine	Sprint 11	0	19 Feb 2013 11:16	pospelov
1266	Feature	Archived	Normal	GUI: Implement collapsable Accordion widget	david	Sprint 30	0	05 Jan 2016 14:46	david
1267	Feature	Archived	Normal	GUI: implement update online notification widget	david	Sprint 30	0	08 Jan 2016 14:17	pospelov
1272	Feature	Archived	Normal	GUI: provide run of the fitting in GUI thread	david	Sprint 30	0	11 Jan 2016 17:31	pospelov
1276	Bug	Archived	Normal	Fix thread concurrency while reporting progress update in DWBASimulation	david	Sprint 30	0	12 Jan 2016 16:05	david
1258	Refactoring	Archived	Normal	GUI: move XML related methods outside of the SessionModel	david	Sprint 31	0	10 Dec 2015 09:55	pospelov
1281	Feature	Archived	Normal	GUI: provide widget for fit parameters settings	david	Sprint 31	0	22 Jan 2016 13:53	pospelov
1352	Refactoring	Archived	Normal	GUI: refactor SessionModel and ParameterizedItem	david	Sprint 31	0	19 Feb 2016 16:32	pospelov
1387	Feature	Archived	Normal	GUI: finalize FitWidget	david	Sprint 31	0	18 Mar 2016 16:08	pospelov
1374	Documentation	Resolved	Normal	Report an Refactoring SessionItem	david		0	09 Mar 2016 13:48	david
1617	Feature	Resolved	Normal	Implement rotation of 2D OutputData on 90 deg	dmitry	Sprint 35	100	19 Oct 2016 14:10	pospelov
1618	Feature	Resolved	Normal	Implement rotation of imported data in ImportData view	dmitry	Sprint 35	100	19 Oct 2016 14:11	pospelov
1788	Bug	Resolved	Normal	Numerical instability in triangular ripple form factor	dmitry	Sprint 35	100	05 Apr 2017 13:03	pospelov
1818	Feature	Resolved	Normal	Investigate simulation performance in the case of large detectors	dmitry	Sprint 36	0	14 Jun 2017 09:04	pospelov
1842	Feature	Rejected	Normal	Improve simulation performance in the case of large detectors	dmitry	Sprint 36	0	19 Sep 2017 10:47	herck
1917	Refactoring	Rejected	Normal	Find a better way to carry specular data from Fresnel map to SpecularSimulation	dmitry	Sprint 36	0	05 Dec 2017 11:02	dmitry
1936	Feature	Resolved	Normal	GUI: provide specular instrument type in GUI	dmitry	Sprint 36	0	17 Jan 2018 09:16	pospelov
1951	Feature	Rejected	Normal	Apply new unit conversion machinery for SpecularSimulation	dmitry	Sprint 36	0	29 Jan 2018 12:05	dmitry
1965	Testing	Resolved	Normal	Provide an example of fitting real reflectometry data with BornAgain	dmitry	Sprint 36	0	15 Feb 2018 18:47	dmitry
1979	Bug	Resolved	Normal	BornAgain GUI: cannot fit the constant background	dmitry	Sprint 36	0	27 Feb 2018 11:25	ganeva

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1981	Bug	Resolved	Normal	BornAgain GUI: cannot fit beam parameters with distributions	dmitry	Sprint 36	0	27 Feb 2018 11:33	ganeva
1858	Feature	Resolved	Normal	Make possible using scattering length, number densities and scattering length densities as input material data	dmitry	Sprint 36	100	17 Oct 2017 16:08	dmitry
1859	Feature	Resolved	Normal	Implement fitting for specular signal simulations	dmitry	Sprint 36	100	17 Oct 2017 16:15	dmitry
1860	Feature	Resolved	Normal	Allow for instrument resolution in specular calculations	dmitry	Sprint 36	100	17 Oct 2017 16:22	dmitry
1871	Bug	Resolved	Normal	Prevent using WavelengthIndependentMaterial in computations with material averaging or make universal averaging procedure	dmitry	Sprint 36	100	25 Oct 2017 15:20	dmitry
1872	Bug	Resolved	Normal	Prevent user from creating mixed samples with mixed wavelength-dependent and wavelength-independent materials	dmitry	Sprint 36	100	25 Oct 2017 15:52	dmitry
1875	Bug	Resolved	Normal	Provide proper export to python for all flavours of materials	dmitry	Sprint 36	100	02 Nov 2017 12:22	dmitry
1880	Documentation	Resolved	Normal	Provide example of new wavelength-independent material usage	dmitry	Sprint 36	100	08 Nov 2017 14:54	dmitry
1884	Feature	Resolved	Normal	Provide common interface for Simulation and SpecularSimulation	dmitry	Sprint 36	100	10 Nov 2017 10:39	dmitry
1895	Feature	Resolved	Normal	Make an IDetector base class independent on dimensionality of the detector	dmitry	Sprint 36	100	17 Nov 2017 12:49	dmitry
1902	Feature	Resolved	Normal	Add 1D detector for specular simulations	dmitry	Sprint 36	100	22 Nov 2017 10:49	dmitry
1906	Feature	Resolved	Normal	Add functional test for specular simulation	dmitry	Sprint 36	100	24 Nov 2017 12:35	dmitry
1910	Feature	Resolved	Normal	Employ 1D detector and get rid of virtual runSimulation in SpecularSimulation	dmitry	Sprint 36	100	28 Nov 2017 14:14	dmitry
1931	Feature	Resolved	Normal	Implement footprint correction	dmitry	Sprint 36	100	15 Jan 2018 12:41	dmitry
1943	Refactoring	Resolved	Normal	Remove creation of simulation elements from SpecularDetector1D	dmitry	Sprint 36	100	18 Jan 2018 13:04	dmitry
1946	Documentation	Resolved	Normal	Revise MaterialBySLD (user interface and documentation)	dmitry	Sprint 36	100	24 Jan 2018 10:12	dmitry
1947	Feature	Resolved	Normal	Provide MaterialBySLD functional test	dmitry	Sprint 36	100	26 Jan 2018 11:09	pospelov
1956	Documentation	Resolved	Normal	Website: port "Working with Python scripts" to Hugo, part 2	dmitry	Sprint 36	100	07 Feb 2018 15:22	pospelov
1958	Documentation	Resolved	Normal	Website: port "Working with Python scripts" to Hugo, part 4	dmitry	Sprint 36	100	07 Feb 2018 15:23	pospelov
1961	Bug	Resolved	Normal	Numerous fixes for beam divergence and footprint	dmitry	Sprint 36	100	08 Feb 2018 09:41	dmitry
1938	Feature	Resolved	Normal	Implement transform from domain for specular instrument	dmitry	Sprint 37	0	17 Jan 2018 09:17	pospelov
1964	Feature	Resolved	Normal	Provide "fair" unit conversions for specular data (including q-space)	dmitry	Sprint 37	0	15 Feb 2018 18:44	dmitry
1974	Feature	Resolved	Normal	Provide full-fledged functionality for specular simulation in DomainSimulationBuilder	dmitry	Sprint 37	0	22 Feb 2018 13:15	dmitry
2002	Documentation	Resolved	Normal	Website: port all release letters	dmitry	Sprint 37	0	09 Mar 2018 08:49	pospelov
2010	Bug	Resolved	Normal	cmake should notify user if eigen3 is not found	dmitry	Sprint 37	0	14 Mar 2018 10:22	ganeva
2026	Feature	Resolved	Normal	Provide capability of switching angular axis in DepthProbe to different units	dmitry	Sprint 37	0	03 Apr 2018 18:10	dmitry
2027	Testing	Resolved	Normal	Provide functional test + example for depth probe simulation	dmitry	Sprint 37	0	03 Apr 2018 18:11	dmitry

#	Tracker	Status	Priority	Subject	Assignee	Target version	% Done	Created	Author
2028	Refactoring	Resolved	Normal	Remove the functionality doubled in DepthProbeSimulation from SpecularSimulation and reuse common code	dmitry	Sprint 37	0	03 Apr 2018 18:14	dmitry
2029	Bug	Resolved	Normal	Unit conversion bug when ROI is set	dmitry	Sprint 37	0	04 Apr 2018 10:09	pospelov
1937	Feature	Resolved	Normal	Implement export-to-Python for specular instrument	dmitry	Sprint 37	100	17 Jan 2018 09:16	pospelov
1991	Bug	Resolved	Normal	Cannot add real data to off-specular instrument	dmitry	Sprint 37	100	28 Feb 2018 16:12	dmitry
2006	Feature	Resolved	Normal	Core: implement instrument type for depth probes (evanescent wave)	dmitry	Sprint 37	100	09 Mar 2018 09:00	pospelov
2030	Feature	Resolved	Normal	Provide unit conversions for specular instrument in GUI	dmitry	Sprint 37	100	09 Apr 2018 10:05	dmitry
2036	Feature	Resolved	Normal	Bring the appearance of specular simulation to compliance with GISAS/Off-Spec job views	dmitry	Sprint 37	100	16 Apr 2018 10:23	dmitry
2044	Bug	Resolved	Normal	Users cannot see python functions' descriptions, jump to their definitions or use autocompletion in PyCharm	dmitry	Sprint 37	100	27 Apr 2018 16:03	dmitry
2048	Configuration	Resolved	Normal	Get rid of CMAKE_LIBRARY_PATH	dmitry	Sprint 37	100	09 May 2018 21:51	dmitry
2412	Feature	Resolved	Normal	Adapt computation engine for polarized ToF reflectometry	dmitry		0	20 Nov 2019 10:28	dmitry
2413	Feature	Resolved	Normal	Enable polarized reflectometry	dmitry		0	20 Nov 2019 10:28	dmitry
2051	Feature	Resolved	Normal	Provide loading and using from GUI 1D real data	dmitry	Sprint 38	0	16 May 2018 11:50	dmitry
2081	Documentation	Resolved	Normal	Update documentation related to reflectometry and depth probe	dmitry	Sprint 38	0	14 Jun 2018 13:53	dmitry
2105	Refactoring	Rejected	Normal	Provide DataltemView for handling representation of 1D data	dmitry	Sprint 38	0	02 Jul 2018 09:08	dmitry
2106	Feature	Resolved	Normal	GUI: Create and use DataltemView for 1D fitting	dmitry	Sprint 38	0	02 Jul 2018 09:12	dmitry
2107	Bug	Resolved	Normal	The project crashes on attempt to change limits of fit parameter in GUI	dmitry	Sprint 38	0	06 Jul 2018 16:59	dmitry
2110	Feature	Resolved	Normal	Boost: remove date_time dependency	dmitry	Sprint 38	0	12 Jul 2018 10:00	pospelov
2111	Feature	Resolved	Normal	Boost: remove chrono dependency	dmitry	Sprint 38	0	12 Jul 2018 11:28	pospelov
2124	Bug	Rejected	Normal	Successive call to SimulationResult.data() causes segmentation fault	dmitry	Sprint 38	0	25 Jul 2018 11:19	dmitry
2127	Feature	Resolved	Normal	Convert functional tests for specular fits to the new FitObjective machinery	dmitry	Sprint 38	0	30 Jul 2018 11:12	pospelov
2134	Feature	Resolved	Normal	Create translator from numpy arrays to OutputData	dmitry	Sprint 38	0	01 Aug 2018 13:20	dmitry
2146	Bug	Resolved	Normal	GUI: back compatibility broken	dmitry	Sprint 38	0	13 Sep 2018 11:09	ganeva
2155	Feature	Resolved	Normal	Create and deploy PointwiseAxis for SpecularSimulation	dmitry	Sprint 38	0	18 Sep 2018 09:44	dmitry
2171	Bug	Resolved	Normal	Application crash on switch between fitting and simulation jobs for specular simulation	dmitry	Sprint 38	0	26 Sep 2018 13:53	dmitry
2116	Bug	Resolved	Normal	Provide valid editing for fit parameters in GUI	dmitry	Sprint 39	0	17 Jul 2018 10:05	dmitry
2141	Feature	Resolved	Normal	Allow for SLD fitting in GUI	dmitry	Sprint 39	0	06 Sep 2018 23:08	dmitry
2142	Feature	Resolved	Normal	Allow material tuning in real time view	dmitry	Sprint 39	0	11 Sep 2018 15:13	pospelov
2177	Feature	Resolved	Normal	Employ PointwiseAxis in the GUI for SpecularSimulations	dmitry	Sprint 39	0	28 Sep 2018 14:30	dmitry
2189	Bug	Resolved	Normal	Real time view shows alien tree on jobItem delete	dmitry	Sprint 39	0	05 Oct 2018 15:08	pospelov



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2194	Feature	Resolved	Normal	Handle native coordinates and units from imported user data in RealDataItem and during instrument linking	dmitry	Sprint 39	0	10 Oct 2018 11:27	dmitry
2199	Feature	Resolved	Normal	Expand txt-file saving to 1D data	dmitry	Sprint 39	0	16 Oct 2018 10:33	dmitry
2217	Bug	Resolved	Normal	GUI crash on instrument adjustment for 1D data	dmitry	Sprint 39	0	12 Nov 2018 10:55	ganeva
2222	Feature	Resolved	Normal	Allow scientific notation in tuning parameter tree	dmitry	Sprint 39	0	14 Nov 2018 09:58	dmitry
2231	Bug	Resolved	Normal	Reflectivity: strange behaviour at wavelength distribution	dmitry	Sprint 39	0	19 Nov 2018 14:31	ganeva
2235	Bug	Resolved	Normal	Restore automatic linking of user data to instrument in Simulation tab	dmitry	Sprint 39	0	29 Nov 2018 12:54	dmitry
2243	Bug	Resolved	Normal	Instrument id is not updated when it is copied to job item	dmitry	Sprint 39	0	06 Dec 2018 10:00	dmitry
2245	Bug	Resolved	Normal	Crash when running simulation with missing instrument	dmitry	Sprint 39	0	06 Dec 2018 11:02	juan
2249	Bug	Resolved	Normal	Crash on fitting SpecularInstrument/Beam/Polarization/X, Y, Z	dmitry	Sprint 39	0	07 Dec 2018 14:10	juan
2259	Feature	Resolved	Normal	Make off-spec simulation fittable	dmitry	Sprint 40	0	12 Dec 2018 12:57	dmitry
2270	Bug	Resolved	Normal	Repeating values after removing unsorted data	dmitry	Sprint 40	0	21 Dec 2018 11:34	dmitry
2273	Documentation	Resolved	Normal	Comparative overview of existing reflectometry packages	dmitry	Sprint 40	0	09 Jan 2019 10:23	dmitry
2289	Testing	Resolved	Normal	Test slicing and averaging functionality for reflectometry in BornAgain	dmitry	Sprint 40	0	17 Jan 2019 12:38	dmitry
2292	Feature	Resolved	Normal	Switch internal specular computations to q values	dmitry	Sprint 40	0	29 Jan 2019 13:33	dmitry
2297	Feature	Resolved	Normal	Provide q-based input for specular simulations	dmitry	Sprint 40	0	08 Feb 2019 10:08	dmitry
2305	Bug	Rejected	Normal	Premature deletion of OutputData<double> in python	dmitry	Sprint 40	0	19 Feb 2019 10:41	dmitry
2307	Bug	Rejected	Normal	Wrong units during fit with q-defined reflectometry	dmitry	Sprint 40	0	22 Feb 2019 12:18	dmitry
2315	Feature	Resolved	Normal	Provide support for pointwise resolution in reflectometry	dmitry	Sprint 41	0	04 Mar 2019 14:56	dmitry
2316	Feature	Resolved	Normal	Provide support for handling intensity uncertainties in experimental data	dmitry	Sprint 41	0	04 Mar 2019 14:59	dmitry
2321	Bug	Resolved	Normal	Setting 'Min' or 'Max' for fitparameter Beam Intensity doesn't work	dmitry	Sprint 41	0	05 Mar 2019 18:12	herck
2322	Bug	Rejected	Normal	GUI: Ensure usage of identical colormap for real data and simulation in fitview	dmitry	Sprint 41	0	11 Mar 2019 14:41	herck
2333	Feature	Resolved	Normal	GUI: Switch resolutions/divergences in specular instrument to the new resolution machinery	dmitry	Sprint 41	0	28 Mar 2019 12:49	dmitry
2338	Bug	Resolved	Normal	Numerical instability in roughness calculations	dmitry	Sprint 41	0	12 Apr 2019 18:11	pospelov
2344	Bug	Rejected	Normal	GUI: impossible to set limits for intensity as a fit parameter	dmitry	Sprint 41	0	02 May 2019 09:23	dmitry
2377	Feature	Resolved	Normal	Implement layer editor prototype on the basis of the the new model-view framework	dmitry	Sprint 41	0	24 Jun 2019 10:39	dmitry
43	Feature	Archived	Normal	Code browsing: Install OpenGrok code browser	felder	Sprint 4	100	21 Jun 2012 16:55	pospelov
419	Feature	Archived	Normal	Write deployment script which will automatize the release	ganeva	Sprint 17	0	27 Sep 2013 11:20	pospelov
396	Feature	Archived	Normal	Create deb package	ganeva	Sprint 17	100	10 Sep 2013 12:55	wuttke

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417	Feature	Archived	Normal	implement automatic propagation of BornAgain version number into cmake	ganeva	Sprint 17	100	27 Sep 2013 10:37	pospelov
506	Feature	Archived	Normal	Refactor all tests to use new SimulationRegistry	ganeva	Sprint 18	0	22 Nov 2013 12:55	pospelov
524	Testing	Archived	Normal	Produce a functional test for the layer with roughness	ganeva	Sprint 18	0	06 Dec 2013 13:32	ganeva
527	Feature	Archived	Normal	Implement the ripple 2 (triangular) formfactor	ganeva	Sprint 18	0	10 Dec 2013 09:38	ganeva
414	Testing	Archived	Normal	Implement functional test: polarized DWBA with zero magnetic field	ganeva	Sprint 18	100	25 Sep 2013 16:50	pospelov
526	Feature	Archived	Normal	Implement the ripple 1 (gaussian) formfactor	ganeva	Sprint 19	0	10 Dec 2013 09:37	ganeva
582	Bug	Archived	Normal	Silent sigmentation fault in InterferenceFunction2DLattice	ganeva	Sprint 19	0	05 Feb 2014 10:03	ganeva
393	Feature	Archived	Normal	Create Mac installer	ganeva	Sprint 24	100	06 Sep 2013 16:21	pospelov
891	Documentation	Archived	Normal	Check and fix examples	ganeva	Sprint 25	0	10 Nov 2014 09:52	ganeva
952	Documentation	Archived	Normal	Mention python gdal module in the description of the load tiff data example	ganeva	Sprint 26	0	09 Feb 2015 09:24	ganeva

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