

## BornAgain - treeview

#	Project	Tracker	Status	Priority	Subject	Assignee	Target version	% Done	Created	Author
587	BornAgain	Feature	Long Term Idea	Low	Investigate objective function alternatives.			0	11 Feb 2014 10:11	pospelov
1547	BornAgain	Refactoring	Backlog	Low	restore ScanningMinimizer			0	01 Aug 2016 10:57	wuttke
1704	BornAgain	Feature	New	Normal	Revise chi squared module			0	01 Dec 2016 14:38	wuttke
1718	BornAgain	Configuration	New	Normal	Provide Windows installer with debug info in it			0	02 Dec 2016 15:15	pospelov
1229	BornAgain	Feature	Backlog	Normal	MacOS: create BornAgain "tap" and "formula" for Homebrew			0	02 Nov 2015 16:54	pospelov
1175	BornAgain	Configuration	Backlog	Normal	Provide official debian package			0	03 Sep 2015 09:59	ganeva
1602	BornAgain	Envelope task	In Progress	Normal	== CMake configuration, dependences ==			71	03 Sep 2016 13:43	wuttke
1476	BornAgain	Refactoring	Backlog	Normal	Revise installation directory structure under Linux			0	22 Jun 2016 13:57	ganeva
1751	BornAgain	Feature	Backlog	Normal	CMake machinery should warn if there are traces of previous BornAgain installation			0	19 Jan 2017 10:53	pospelov
1615	BornAgain	Configuration	Backlog	Normal	in each third-party source directory, provide information about used download location, download date, and downloaded version			0	13 Oct 2016 14:13	wuttke
1640	BornAgain	Configuration	Backlog	Normal	Doxygen generation on apps server not compatible anymore with links to API			0	15 Nov 2016 12:19	herck
840	BornAgain	Documentation	Backlog	Normal	Create movie with first GUI tutorial			0	17 Oct 2014 16:27	pospelov
981	BornAgain	Feature	Backlog	Low	update refractive index when varying wavelength in GUI real time activity			0	19 Feb 2015 17:46	ganeva
1068	BornAgain	Feature	Backlog	Normal	SLD profile in Sample builder			100	08 May 2015 19:55	a.glavic
1082	BornAgain	Feature	New	Normal	GUI: provide unddo/redo functionality			0	12 May 2015 16:07	pospelov
1129	BornAgain	Feature	New	Low	GUI: "Sample" tab is not synchronised with "Jobs" tab			0	14 Jul 2015 14:37	sbusch
1493	BornAgain	Refactoring	Backlog	Normal	GUI: Implement tranform from domain for fitting objects			0	01 Jul 2016 13:50	pospelov
1494	BornAgain	Refactoring	Backlog	Normal	GUI: Implement export of fitting setup to python script.			0	01 Jul 2016 13:50	pospelov
1495	BornAgain	Refactoring	Backlog	Normal	GUI: extend GUISuite functional test machinery with standard fits			0	01 Jul 2016 13:50	pospelov
1504	BornAgain	Feature	New	Normal	GUI: support standard control keys			0	12 Jul 2016 09:30	wuttke
1506	BornAgain	Feature	New	Normal	GUI Sample Tree View: cut / paste or move to be added to right-click popup menu			0	12 Jul 2016 10:14	wuttke
1507	BornAgain	Feature	New	Normal	GUI: SHIFT+LeftClick should add to selection			0	12 Jul 2016 11:34	wuttke
1698	BornAgain	Feature	New	Normal	GUI: save/load detector mask			0	01 Dec 2016 14:07	wuttke
966	BornAgain	Envelope task	In Progress	Normal	=== Theory & Manual ===			62	17 Feb 2015 10:34	wuttke

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300	BornAgain	Feature	Long Term Idea	Normal	Investigate alternatives to Monte-Carlo computation of non-analytic form factors			0	01 Jul 2013 17:29	herck
976	BornAgain	Documentation	In Progress	Normal	Derive scalar and polarized wave equation for both X-rays and neutrons, and choose appropriate notation.	wuttke		0	18 Feb 2015 16:26	wuttke
387	BornAgain	Documentation	Backlog	Normal	Provide correct calculation of detected intensity for polarization			0	04 Sep 2013 11:17	herck
983	BornAgain	Documentation	New	Normal	Integrate SpecularReflectivity note into the User Manual.			0	20 Feb 2015 11:24	wuttke
726	BornAgain	Documentation	Backlog	Normal	Review calculation of R,T coefficients for magnetic case			0	09 Jul 2014 10:27	herck
1014	BornAgain	Documentation	Backlog	Normal	Manual: describe simulation with distributed parameters			0	19 Mar 2015 10:00	pospelov
1102	BornAgain	Documentation	Backlog	Normal	review normalization, especially in view of finite sample extension, finite beam width, and small glancing angles			0	12 Jun 2015 17:51	wuttke
330	BornAgain	Documentation	Backlog	Normal	Take care of kz=0 case appropriately			0	17 Jul 2013 11:19	herck
1135	BornAgain	Documentation	Backlog	Normal	Manual: describe core shell particles			0	15 Jul 2015 17:29	pospelov
1141	BornAgain	Documentation	Backlog	Normal	Manual: describe multi layers			30	20 Jul 2015 09:24	pospelov
1638	BornAgain	Documentation	Backlog	Low	Manual: Improve / restore side bar navigation			0	14 Nov 2016 16:57	wuttke
1710	BornAgain	Documentation	New	Normal	Manual: explain particle density	wuttke		0	01 Dec 2016 17:41	wuttke
1566	BornAgain	Envelope task	In Progress	High	== API changes ==			67	03 Aug 2016 10:25	wuttke
1569	BornAgain	Refactoring	Rfc	High	rename hard particle form factors			0	03 Aug 2016 13:53	wuttke
1578	BornAgain	Refactoring	New	Normal	reimplement ripples as Cartesian product Profile * Decay			0	08 Aug 2016 16:01	wuttke
1716	BornAgain	Feature	New	Normal	GISASSimulation::setBeamParameter: default value 0 for third parameter phi_i			0	02 Dec 2016 14:41	wuttke
1666	BornAgain	Feature	New	Normal	Constructor of Histogram2D should accept also numpy arrays with dtype=int			0	24 Nov 2016 09:57	ganeva
1685	BornAgain	Refactoring	New	Normal	Restrict Python API to what the user needs.			0	28 Nov 2016 14:31	wuttke
409	BornAgain	Refactoring	Backlog	Normal	Remove duplicate functions "evaluate" and "evaluatePol"			0	25 Sep 2013 11:12	herck
1089	BornAgain	Refactoring	Backlog	Normal	Refactor interface of evaluate(pol) of Form Factors			0	21 May 2015 13:45	herck
1415	BornAgain	Feature	Backlog	Low	onChange() should invalidate cache, and not immediately execute precompute()			0	22 Apr 2016 09:17	wuttke
1468	BornAgain	Refactoring	Backlog	Low	Migrate to stdexcept			0	16 Jun 2016 10:17	wuttke
1541	BornAgain	Refactoring	Backlog	Low	review areAlmostEqual and get_relative_difference			0	28 Jul 2016 10:18	wuttke
1693	BornAgain	Refactoring	Backlog	Low	Make consequential use of default values in initializer lists.			0	01 Dec 2016 11:13	wuttke

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1619	BornAgain	Feature	Backlog	Normal	Implement support of comma separated ASCII data in IntensityDataIOFactory::readOutputData			0	19 Oct 2016 14:15	pospelov
1697	BornAgain	Feature	New	Normal	Save/load detector mask			0	01 Dec 2016 14:06	wuttke
1438	BornAgain	Envelope task	In Progress	Urgent	=== Physics ===			80	30 May 2016 16:08	wuttke
12	BornAgain	Feature	Long Term Idea	Low	Calculation of refractive index for x-rays and neutrons from database			0	18 Apr 2012 11:25	pospelov
1119	BornAgain	Envelope task	In Progress	High	== Reflectivity ==			67	02 Jul 2015 10:18	herck
31	BornAgain	Feature	Backlog	Low	Implement x-ray polarization factor			0	23 May 2012 12:57	herck
1103	BornAgain	Feature	New	Normal	extend simulation to transmission geometry (detector images with z<0)			0	12 Jun 2015 17:57	wuttke
1612	BornAgain	Feature	Backlog	Normal	Specular peak: add forward scattering amplitudes to specular amplitude			0	06 Oct 2016 11:26	herck
1722	BornAgain	Feature	Long Term Idea	Normal	self-absorption correction			0	05 Dec 2016 09:33	wuttke
1065	BornAgain	Refactoring	Backlog	Low	Revise particle form factors: change names, add few form factors, change some parametrization			100	08 May 2015 18:39	wuttke
1414	BornAgain	Documentation	Backlog	Normal	regenerate form factor images in manual			0	19 Apr 2016 11:34	wuttke
1416	BornAgain	Bug	Waiting	Low	form factors with numeric integration fail for small and for large q			0	25 Apr 2016 09:09	wuttke
1406	BornAgain	Envelope task	In Progress	High	== Particle correlations ==			36	13 Apr 2016 18:29	wuttke
319	BornAgain	Feature	Long Term Idea	Low	Provide lamellar form factor for soft matter			0	05 Jul 2013 14:58	herck
697	BornAgain	Feature	Backlog	Normal	Use Monte Carlo integration over all incoherent parameters			0	04 Jun 2014 12:44	herck
907	BornAgain	Feature	Backlog	Normal	Create MesoCrystal tutorial			0	27 Nov 2014 15:59	pospelov
1032	BornAgain	Feature	Long Term Idea	Low	Rotation of inter-particle structures			0	07 Apr 2015 23:29	a.glavic
1060	BornAgain	Refactoring	New	Normal	refactor SSCA according to manual			0	29 Apr 2015 17:33	wuttke
1199	BornAgain	Support	New	Normal	Consider implementation of partial structure factor			0	06 Oct 2015 10:28	pospelov
1540	BornAgain	Feature	Long Term Idea	Normal	Implement incoherent z-distribution of particles inside layer			0	27 Jul 2016 17:51	herck
1568	BornAgain	Feature	Backlog	Low	Implement TruncatedEllipsoid to replace HemiEllipsoid			0	03 Aug 2016 13:25	wuttke
1214	BornAgain	Feature	New	Normal	Provide LayerRoughness with a method representing roughness profile in real space			0	19 Oct 2015 13:03	pospelov
1677	BornAgain	Feature	Backlog	High	Independent roughness cross-correlation for disjoint sets of interfaces			0	25 Nov 2016 11:33	ganeva
1731	BornAgain	Refactoring	Backlog	Normal	Reduce number of TODOs in code			0	07 Dec 2016 14:54	herck

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1750	BornAgain	Feature	Rfc	Normal	Consider cleanup of Git repository to make it smaller in size			0	19 Jan 2017 10:41	pospelov
1752	BornAgain	Documentation	New	Normal	Create tutorial about multiple particle layouts.			0	19 Jan 2017 11:17	pospelov
1754	BornAgain	Feature	New	Normal	Investigate fitting with Log-Likelihood			0	19 Jan 2017 12:30	pospelov
1755	BornAgain	Feature	New	Normal	GUI: provide additional command line parameter to open existing projects			0	19 Jan 2017 12:32	pospelov
1766	BornAgain	Refactoring	Backlog	Normal	Replace all form factors in sample creation by shapes			0	16 Feb 2017 13:58	herck
1771	BornAgain	Feature	New	Normal	GUI: create FitProjectionsWidget to compare projections of real .vs. simulated data			0	24 Feb 2017 14:30	pospelov
1773	BornAgain	Feature	New	Normal	GUI: implement a ruler for ProjectionsEditor			0	24 Feb 2017 14:33	pospelov
1775	BornAgain	Refactoring	Backlog	Normal	Check pyramid like shapes for angles > 90 degrees			0	08 Mar 2017 14:13	herck
1781	BornAgain	Bug	New	Low	Fix thisbornagain.sh to correctly drop from path previous BornAgain installation.			0	22 Mar 2017 14:59	pospelov
1805	BornAgain	Feature	Backlog	Normal	Investigate the usage of Python external packages (fabio, periodictable) from GUI			0	11 May 2017 11:53	pospelov
1817	BornAgain	Feature	Backlog	Normal	Provide an easy way of importing instrument definitions and real data into the GUI			0	12 Jun 2017 14:57	herck
1847	BornAgain	Feature	Backlog	Normal	Implement IFactory with constructor parameters			0	29 Sep 2017 16:30	pospelov
1864	BornAgain	Feature	New	Normal	GUI: provide option to export citation			0	20 Oct 2017 11:58	ganeva
1873	BornAgain	Feature	Backlog	Normal	Consider incoherent scattering			0	27 Oct 2017 14:23	ganeva
1877	BornAgain	Feature	Backlog	Normal	Revise Utils, Helper, Assistant and Functions usage in file names			0	02 Nov 2017 17:31	pospelov
1887	BornAgain	Refactoring	Backlog	Normal	Switch to new signal/slot mechanism in Qt (since c++11)			0	10 Nov 2017 16:40	herck
1893	BornAgain	Refactoring	New	Normal	GUI: provide uniform splitters where possible			0	14 Nov 2017 11:43	pospelov
1901	BornAgain	Bug	New	Normal	warnings from Gtk			0	19 Nov 2017 13:35	wuttke
1915	BornAgain	Feature	Backlog	Low	Warning while loading certain tiff file			0	04 Dec 2017 11:06	pospelov
1918	BornAgain	Refactoring	Backlog	Normal	Revise IHistogram class family			0	06 Dec 2017 09:55	dmitry
1920	BornAgain	Feature	Backlog	Normal	Adapt BornAgain GUI for 4k displays			0	07 Dec 2017 11:51	pospelov
1927	BornAgain	Feature	New	Low	Investigate performance of InterferenceFunction2DParaCrystal::interference1D method			0	18 Dec 2017 14:58	pospelov
1928	BornAgain	Feature	Backlog	Low	Make progress counter work for SpecularSimulation			0	22 Dec 2017 14:22	dmitry
1950	BornAgain	Feature	Backlog	Normal	Investigate hdf5 as default format for BornAgain data files			0	29 Jan 2018 11:17	pospelov
1971	BornAgain	Documentation	Backlog	Normal	Provide description of fitting engines' options			0	21 Feb 2018 11:26	dmitry

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1972	BornAgain	Feature	Backlog	Normal	GUI: provide beam divergence for OffSpec instrument			0	21 Feb 2018 11:30	pospelov
1984	BornAgain	Bug	Backlog	Normal	GUI: scollaps/expand arrows on InstrumentView are too big on Mac			0	27 Feb 2018 12:19	pospelov
1988	BornAgain	Feature	Backlog	Normal	Propagate best fit parameter values to parameter tree and fit parameter list			0	28 Feb 2018 11:53	herck
1990	BornAgain	Refactoring	Backlog	Normal	Remove duplicate type definitions in BornAgainNamespace.h and item_constants.h			0	28 Feb 2018 14:08	herck
1992	BornAgain	Feature	Backlog	Normal	Revise RealTimeView			0	28 Feb 2018 16:18	pospelov
1994	BornAgain	Feature	Backlog	Normal	Enable automatic conversion of parameter values/limits between GUI and Core (enabling angle fit parameters)			0	01 Mar 2018 16:12	herck
1996	BornAgain	Feature	Backlog	Low	Add to the GUI build time in About section			0	02 Mar 2018 11:16	pospelov
1999	BornAgain	Documentation	Backlog	Normal	Cleanup redmine wiki			50	07 Mar 2018 10:41	pospelov
2000	BornAgain	Feature	Backlog	Normal	Use rpath in Linux installation for our own binaries			0	07 Mar 2018 13:16	pospelov
2003	BornAgain	Documentation	Backlog	Normal	Website: integrate doxygen generated API to Hugo			0	09 Mar 2018 08:49	pospelov
2004	BornAgain	Documentation	Backlog	Normal	Website: style doxygen generated API to the new website			0	09 Mar 2018 08:50	pospelov
2011	BornAgain	Refactoring	New	Normal	API changes to access the simulation results			0	14 Mar 2018 17:44	ganeva
2013	BornAgain	Documentation	Backlog	Normal	Provide example project file with 'real' data and web tutorial using this			0	16 Mar 2018 10:11	herck
2020	BornAgain	Testing	Backlog	Normal	Provide a set of tests for checking simulation results' reproducibility in the case of simulation re-run			0	21 Mar 2018 13:57	dmitry
2025	BornAgain	Bug	Backlog	High	Slicing machinery makes mesocrystal simulation very slow			0	03 Apr 2018 16:48	pospelov
2034	BornAgain	Bug	New	Normal	Formfactor Icosahedron crosses interface boundary			0	13 Apr 2018 08:55	ganeva
2037	BornAgain	Bug	Backlog	Normal	Unrealistically high error in parameter determination while fitting specular signal			0	16 Apr 2018 12:41	dmitry
2046	BornAgain	Feature	Backlog	Normal	Provide defense against running Python script with wrong version of Python interpreter			0	03 May 2018 12:08	pospelov
2050	BornAgain	Refactoring	Backlog	Normal	Remove dependence of SessionModel::copyItem on XML serialization			0	14 May 2018 18:24	herck
2052	BornAgain	Refactoring	Backlog	Normal	Consider switching to C++17			0	17 May 2018 10:15	dmitry
2056	BornAgain	Feature	Backlog	Normal	Restore MaterialPropertyController			0	24 May 2018 12:41	pospelov
2058	BornAgain	Feature	Backlog	Normal	Implement error estimate for poisson-distributed real data			0	24 May 2018 17:17	dmitry
2064	BornAgain	Bug	Backlog	Low	Weird behaviour when equalizing plots			0	29 May 2018 14:24	dmitry
2065	BornAgain	Feature	Backlog	Normal	Enable roi for off-specular instrument			0	29 May 2018 15:26	dmitry
2066	BornAgain	Feature	Backlog	Normal	Cleanup dmg installer from unnecessary Qt libraries			0	30 May 2018 17:53	pospelov

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2067	BornAgain	Feature	Backlog	Normal	Expand functionality of python-side plotting utils for reflectometry			0	03 Jun 2018 23:57	dmitry
2072	BornAgain	Documentation	Backlog	Low	Make a favicon for new website			0	12 Jun 2018 16:11	pospelov
2077	BornAgain	Documentation	Backlog	Normal	Update ParticleDistribution tutorial			0	13 Jun 2018 16:44	pospelov
2085	BornAgain	Feature	Backlog	Normal	3D view: move time consuming operations in a thread			0	14 Jun 2018 14:24	pospelov
2086	BornAgain	Feature	Backlog	Normal	GUI: introduce extended distribution editor for ParticleDistributionItem			0	14 Jun 2018 14:25	pospelov
2087	BornAgain	Documentation	Backlog	Normal	Website: provide "description" and "keywords" meta information			0	14 Jun 2018 17:35	pospelov
2088	BornAgain	Documentation	Backlog	Normal	Website: remove links to external css			0	14 Jun 2018 17:37	pospelov
2090	BornAgain	Bug	Backlog	Normal	Fitting history is wiped out after switching to another view and back			0	15 Jun 2018 19:41	dmitry
2093	BornAgain	Refactoring	Backlog	Normal	GUI: create prototype of universal 1D, 2D plot machinery			0	20 Jun 2018 09:26	pospelov
2094	BornAgain	Feature	Backlog	Normal	Remove restrictions (absence of magnetic scattering) for all IComputations			0	20 Jun 2018 11:54	herck
2099	BornAgain	Bug	Backlog	Normal	relative difference item in fit comparison requires revision			0	22 Jun 2018 12:55	dmitry
2109	BornAgain	Refactoring	Backlog	Normal	Refactor 1D and 2D plotting			0	12 Jul 2018 09:57	pospelov
2112	BornAgain	Feature	Backlog	Normal	Boost: remove program_options dependency			0	12 Jul 2018 11:29	pospelov
2114	BornAgain	Feature	Backlog	Normal	Boost: remove iostreams dependency			0	12 Jul 2018 11:29	pospelov
2115	BornAgain	Feature	Backlog	Normal	Boost: remove filesystem dependency			0	12 Jul 2018 11:30	pospelov
2117	BornAgain	Feature	Backlog	Normal	Provide buildbot configuration to test "make install" in user directory			0	19 Jul 2018 14:10	pospelov
2120	BornAgain	Refactoring	Backlog	Normal	Let decay functions calculate the minimum and maximum values of q to use			0	24 Jul 2018 12:19	herck
2121	BornAgain	Testing	Backlog	Normal	Consider using mutation testing			0	24 Jul 2018 14:37	herck
2126	BornAgain	Feature	Backlog	Normal	Make default fit observer for specular simulations work with several data sets			0	30 Jul 2018 10:28	dmitry
2130	BornAgain	Refactoring	Backlog	Normal	Reduce the number of possible ways to access data through SimulationResult			0	30 Jul 2018 16:42	dmitry
2133	BornAgain	Testing	Backlog	Normal	Create functional test for sliced centered fullsphere			0	31 Jul 2018 13:22	herck
2144	BornAgain	Documentation	Backlog	Normal	Add information on website for graded layer approximation			0	12 Sep 2018 12:53	herck
2145	BornAgain	Feature	Backlog	Normal	Enable different axis units for plots in FitObserver			0	12 Sep 2018 14:40	herck
2152	BornAgain	Bug	Backlog	Low	Project build fail if OpenGL is not accessible			0	17 Sep 2018 12:11	dmitry
2157	BornAgain	Feature	Backlog	Normal	Implement silver behenate example			0	19 Sep 2018 13:35	pospelov

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2158	BornAgain	Documentation	Backlog	Normal	Extend website with nightly builds to accomodate for early testers			0	19 Sep 2018 13:56	herck
2159	BornAgain	Feature	Backlog	Normal	Improve 3D view appearance when particle size is large			0	19 Sep 2018 15:11	pospelov
2160	BornAgain	Feature	Backlog	Normal	Consider mask editor to be invoked from instrument view			0	19 Sep 2018 16:06	pospelov
2164	BornAgain	Feature	Backlog	Normal	Import edf format for scattering data			0	20 Sep 2018 15:06	herck
2180	BornAgain	Bug	Backlog	Normal	Always use local folder for autosave functionality (also when project lives in the cloud)			0	02 Oct 2018 13:34	Uliana_Koneva
2185	BornAgain	Documentation	Backlog	Normal	Explain peculiarities of matplotlib usage on MacOS			0	04 Oct 2018 11:45	pospelov
2191	BornAgain	Feature	Backlog	Normal	Provide python example for lamellar structure			0	08 Oct 2018 11:14	pospelov
2197	BornAgain	Feature	Backlog	Normal	3DView: provide default selection of MultiLayer on 3DView open			0	12 Oct 2018 16:39	pospelov
2202	BornAgain	Feature	Backlog	Normal	GUI highdpi: replace remaining png icons with their svg versions			0	18 Oct 2018 13:34	pospelov
2203	BornAgain	Feature	Backlog	Normal	GUI highdpi: refactor FancyTabWidget to account for high dpi monitors			0	18 Oct 2018 13:35	pospelov
2204	BornAgain	Feature	Backlog	Normal	GUI highdpi: switch mainwindow to highdpi mode on Linux by default			0	18 Oct 2018 13:39	pospelov
2205	BornAgain	Feature	Backlog	Normal	Replace difference plot in fitobserver with the true metric used for minimization			0	18 Oct 2018 13:47	herck
2206	BornAgain	Feature	Backlog	Low	GUI: restore broken drag-and-drop in the ItemTreeView			0	18 Oct 2018 15:48	pospelov
2209	BornAgain	Feature	Backlog	Normal	Provide fitting example using bumps minimizer			0	24 Oct 2018 17:47	pospelov
2211	BornAgain	Refactoring	Backlog	Normal	Refactor fit progress/fit comparison widgets			0	26 Oct 2018 12:41	pospelov
2212	BornAgain	Bug	Backlog	Normal	Saving 1d data in tiff format causes BornAgain to crash.			0	26 Oct 2018 14:25	juan
2215	BornAgain	Feature	Backlog	Normal	Implement other variant for 2d lattice iff			0	06 Nov 2018 09:48	herck
2216	BornAgain	Configuration	Backlog	Normal	Remove stgz extension in BornAgainCPack.cmake			0	06 Nov 2018 15:43	herck
2221	BornAgain	Feature	Backlog	Normal	Update opt_local.zip file with external dependencies for Windows build			0	13 Nov 2018 17:35	pospelov
2226	BornAgain	Feature	Backlog	Normal	GUI highdpi: provide common access to scale factor			0	16 Nov 2018 12:50	pospelov
2227	BornAgain	Feature	Backlog	Normal	GUI highdpi: fix Windows scaling issues			0	16 Nov 2018 12:50	pospelov
2230	BornAgain	Bug	Backlog	Normal	GUI on Cinnamon: Window control buttons are missed			0	19 Nov 2018 14:21	ganeva
2232	BornAgain	Feature	New	Normal	GUI: provide units in tooltips			0	23 Nov 2018 13:31	ganeva
2234	BornAgain	Refactoring	Backlog	Normal	Simplify minimizer constructor			0	29 Nov 2018 09:59	pospelov
2238	BornAgain	Feature	Backlog	Normal	Get rid of "Linked_instrument" in import tab			0	30 Nov 2018 19:40	dmitry
2240	BornAgain	Refactoring	Backlog	Normal	Refactor unit convertor construction in InstrumentItem			0	03 Dec 2018 14:12	pospelov

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2241	BornAgain	Refactoring	Backlog	Normal	Replace DoubleEditor and ScientificDoublePropertyEditor with ScientificSpinBox			0	05 Dec 2018 13:23	dmitry
2242	BornAgain	Refactoring	Backlog	Normal	Provide common interface of handling mean/center/median value in distributions			0	05 Dec 2018 13:45	dmitry
2244	BornAgain	Feature	Backlog	Normal	Implement export of DepthProbeInstrument to Python			0	06 Dec 2018 10:55	pospelov
2248	BornAgain	Bug	Backlog	Low	Material editor problems on windows			0	07 Dec 2018 12:50	dmitry
2250	BornAgain	Documentation	Backlog	Normal	Fix doxygen documentation			0	10 Dec 2018 12:12	dmitry
2251	BornAgain	Bug	New	Normal	BornAgain. The ordinate (y) scale of graph "Iteration" incorrect display.			0	10 Dec 2018 15:27	Uliana_Koneva
2253	BornAgain	Bug	New	Normal	BornAgain. The "Fit parameters" window is incorrectly displayed			0	10 Dec 2018 16:57	Uliana_Koneva
2254	BornAgain	Feature	New	Normal	Proposal about uniform units of measurement			0	10 Dec 2018 17:29	Uliana_Koneva
2255	BornAgain	Bug	New	Normal	Program crash during fitting			0	11 Dec 2018 16:28	Uliana_Koneva
2261	BornAgain	Feature	Backlog	Normal	Provide tooltip for project file name			0	19 Dec 2018 08:22	pospelov
2263	BornAgain	Feature	Backlog	Normal	GUI: provide immediate canceling of running job			0	19 Dec 2018 17:50	pospelov
2264	BornAgain	Feature	Backlog	Normal	GUI: property panel of intensity data is too narrow on some systems			0	19 Dec 2018 17:54	pospelov
2266	BornAgain	Feature	Backlog	Normal	GUI: set detector analyzer direction automatically to beam polarization (with the option of changing it manually)			0	20 Dec 2018 16:56	herck
2269	BornAgain	Bug	Backlog	Normal	GUI on windows: import python script fails with anaconda python in path			0	21 Dec 2018 11:22	dmitry
2272	BornAgain	Bug	Backlog	Normal	Reports from the school: coefficients are not scalar bug.			0	21 Dec 2018 14:24	pospelov
2274	BornAgain	Feature	Backlog	Low	Investigate swig replacement			0	09 Jan 2019 11:34	pospelov
2275	BornAgain	Refactoring	Backlog	Normal	Refactor cmake machinery for consistent Python interpreter/libraries handling			0	09 Jan 2019 11:42	pospelov
2276	BornAgain	Support	Sprint	Normal	Provide simulation of mpnc sample for DESY			0	10 Jan 2019 09:18	pospelov
2279	BornAgain	Feature	Backlog	Normal	Allow the user to select the contributions to the scattering intensity (diffuse, coherent)			0	11 Jan 2019 10:21	herck
2280	BornAgain	Bug	Backlog	Normal	GUI: consecutive import of sample from several python scripts is affected by previous imports			0	11 Jan 2019 10:36	pospelov
2281	BornAgain	Feature	Backlog	Normal	GUI: provide pan mode for camera in 3D view			0	11 Jan 2019 11:26	pospelov
2284	BornAgain	Support	New	Normal	Windows: python error when trying to plot.			0	14 Jan 2019 16:19	juan
2288	BornAgain	Bug	Backlog	Normal	Remove numerical instability at q=0 for 2d paracrystal			0	15 Jan 2019 15:37	herck
2293	BornAgain	Feature	Backlog	Normal	3DView: provide mesocrystals in particle distribution			0	31 Jan 2019 12:15	pospelov
2298	BornAgain	Feature	Backlog	Normal	Provide icon for Hard Disk Percus-Yevick interference function in GUI			0	08 Feb 2019 11:27	herck



#	Project	Tracker	Status	Priority	Subject	Assignee	Target version	% Done	Created	Author
2299	BornAgain	Feature	Sprint	Normal	Investigate form factor of a cylinder sector	herck		0	11 Feb 2019 10:13	herck
2300	BornAgain	Feature	Backlog	Normal	Provide beam divergence for OffSpecular simulation via PythonAPI			0	12 Feb 2019 09:40	pospelov
2302	BornAgain	Feature	Backlog	High	Provide form factor for hexagon-based twisted pyramid	ganeva		0	13 Feb 2019 14:06	ganeva
2309	BornAgain	Testing	Backlog	Normal	Provide more test coverage of multilayer slicing machinery			0	28 Feb 2019 09:52	herck
2313	BornAgain	Feature	Backlog	Normal	Adjust step value in spin box for wavelength (instrument view)			0	04 Mar 2019 11:52	dmitry
2314	BornAgain	Envelope task	In Progress	High	Requirements from ESS instrument scientists for reflectometry in BornAgain			0	04 Mar 2019 13:01	dmitry
2320	BornAgain	Feature	New	Normal	GUI: save project should save also the Python script			0	05 Mar 2019 09:51	ganeva
2323	BornAgain	Bug	Backlog	Normal	Cannot set a horizontal/vertical projection when switching from color map to projections view			0	12 Mar 2019 15:57	dmitry
2327	BornAgain	Bug	Backlog	Normal	GUI: Cannot delete several experimental datasets at once			0	15 Mar 2019 09:50	dmitry
2332	BornAgain	Bug	New	Normal	Appearance of artifacts on real data during work			0	26 Mar 2019 14:26	Uliana_Koneva
2334	BornAgain	Feature	Backlog	Normal	Allow users to choose if they want to put BornAgain in the path or not on Windows			0	03 Apr 2019 13:40	dmitry
2335	BornAgain	Feature	Backlog	Normal	Non-obvious way of constructing custom evaluate function for FitObjective			0	03 Apr 2019 14:02	dmitry
2336	BornAgain	Feature	Backlog	Low	Make reflectometry computation as fast as in Refnx			0	04 Apr 2019 13:47	juan
2339	BornAgain	Feature	New	High	Fitting: upon STOP, keep best fit			0	16 Apr 2019 18:32	wuttke
2340	BornAgain	Feature	New	Normal	Fitting: to facilitate switch between minimizers, change handling of minimizers.			0	16 Apr 2019 18:39	wuttke
2341	BornAgain	Feature	New	Normal	GUI: personal material library			0	18 Apr 2019 13:53	ganeva
2343	BornAgain	Refactoring	Backlog	Low	Improve performance in reflectometry engine			0	30 Apr 2019 18:17	dmitry
2345	BornAgain	Testing	New	Normal	Unit test for loading Reflectometry ASCII data			0	07 May 2019 17:47	juan
2347	BornAgain	Bug	Backlog	Normal	GUI crashes with masks and 90deg beam inclination			0	09 May 2019 17:12	herck
2348	BornAgain	Bug	Sprint	Normal	In python examples, enforce color coding of our choice			0	10 May 2019 14:44	wuttke
2349	BornAgain	Documentation	New	Normal	Beam divergence example: use sample with highly structured GISAS pattern, and show effect of beam divergence			0	10 May 2019 14:47	wuttke
2350	BornAgain	Feature	New	Normal	Start material editor without scroll bars, and automatically center dropped sample models			0	13 May 2019 11:16	wuttke
2351	BornAgain	Feature	Backlog	Normal	nomenclature: find better term than "interference" for lattices or correlation functions			0	13 May 2019 12:16	wuttke

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2353	BornAgain	Feature	New	Normal	Add "View" to mainwindow menu bar, and replace right-click menu with something context specific.			0	13 May 2019 13:02	wuttke
2354	BornAgain	Bug	Sprint	Urgent	Nontrivial scattering pattern at zero contrast			0	13 May 2019 15:54	wuttke
2355	BornAgain	Feature	Backlog	Low	nomenclature: "rectangular" -> "flat detector"			0	13 May 2019 16:27	wuttke
2356	BornAgain	Bug	New	Normal	Undefined state in Instrument > Polarization analysis > Analyzer orientation and efficiency			0	13 May 2019 18:33	wuttke
2357	BornAgain	Envelope task	Sprint	Normal	Reflectometry units should be angstroms.			0	14 May 2019 11:57	juan
2271	BornAgain	Feature	Backlog	Normal	Provide units Angstroms in import 1D data widget			0	21 Dec 2018 12:18	pospelov
2358	BornAgain	Feature	New	Normal	Save/read reflectometry data/simulation in consistent units			0	14 May 2019 12:04	juan
2359	BornAgain	Feature	New	Normal	Plot x-axis units in Angstroms for Reflectometry			0	14 May 2019 12:08	juan
2360	BornAgain	Feature	New	Low	3DView: Provide button to save video			0	14 May 2019 17:19	juan
2362	BornAgain	Bug	New	Normal	GUI: can neither quit, nor cancel an endless job			0	17 May 2019 13:45	wuttke
2363	BornAgain	Bug	New	Normal	GUI overrides user choice - specifically, the detector coordinate unit			0	17 May 2019 13:52	wuttke
2364	BornAgain	Bug	New	Normal	GUI: feedback on running background job is out of field of vision			0	17 May 2019 14:00	wuttke
2366	BornAgain	Feature	New	Normal	GUI: move Import1D/2D buttons to "File" menu			0	17 May 2019 14:38	wuttke
2367	BornAgain	Feature	New	Normal	GUI: "Layers" section incorrectly suggests choice between "MultiLayer" and "Layer"			0	17 May 2019 14:55	wuttke
2368	BornAgain	Feature	New	Normal	GUI>Simulation: decouple setup editor from action buttons			0	17 May 2019 15:26	wuttke
2369	BornAgain	Refactoring	New	Normal	rename ThirdParty/Fit/RootMinimizers			0	19 May 2019 18:51	wuttke
2372	BornAgain	Feature	Backlog	Normal	New reading strategy for 2d data			0	28 May 2019 18:25	juan
2375	BornAgain	Bug	Backlog	Normal	fit along slices example fails to converge			0	04 Jun 2019 18:41	dmitry
2376	BornAgain	Refactoring	Backlog	Normal	Look for an alternative to root minimizers			0	05 Jun 2019 13:14	dmitry
2378	BornAgain	Feature	Backlog	Normal	Enable new Minuit2 algorithm to Core and GUI			0	08 Jul 2019 14:59	pospelov
2383	BornAgain	Feature	Backlog	Normal	Consider exclusion of masked areas from the data provided by FitObjective			0	30 Jul 2019 16:04	pospelov
2385	BornAgain	Documentation	New	Normal	Doxygen > User API > group Simulation: too crowded, break into subgroups			0	31 Jul 2019 10:27	wuttke
2386	BornAgain	Refactoring	New	Normal	why not "ISimulation" instead of "Simulation"?			0	31 Jul 2019 10:31	wuttke
2387	BornAgain	Refactoring	New	Normal	Rename "OffSpecularConverter"			0	31 Jul 2019 10:35	wuttke
2390	BornAgain	Refactoring	New	Normal	Revise and document CreateDataImpl			0	31 Jul 2019 11:36	wuttke
2391	BornAgain	Refactoring	New	Normal	Move builder classes out of Core or to dedicated namespace			0	31 Jul 2019 12:13	wuttke

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2392	BornAgain	Documentation	New	Normal	Provide Doxygen class comments for recently added classes	dmitry		0	31 Jul 2019 14:09	wuttke
2393	BornAgain	Documentation	New	Normal	Examples > Hexagonal lattices with basis: choose other correlation length, and explain things			0	31 Jul 2019 15:08	wuttke
2394	BornAgain	Feature	New	Normal	Finite lattices: shape must not be defined in multiples of base vectors			0	31 Jul 2019 16:26	wuttke
2397	BornAgain	Feature	Sprint	Normal	Create user example for superlattice		Sprint 42	0	02 Aug 2019 16:25	pospelov
2398	BornAgain	Documentation	Backlog	Normal	Create user example for batch processing			0	05 Aug 2019 11:34	pospelov
2399	BornAgain	Documentation	Backlog	Normal	Create user example for OpenMPI processing			0	05 Aug 2019 11:35	pospelov
2402	BornAgain	Bug	New	Normal	Crash on reflectometry "link instrument" for negative values of Q data			0	05 Sep 2019 15:41	juan
2403	BornAgain	Bug	Backlog	Normal	GUI: Import of int.gz file with reflectometry data shows Q units but the ticks correspond to bins			0	05 Sep 2019 17:26	dmitry
2405	BornAgain	Refactoring	Backlog	Normal	Simplify IterationStrategy and related classes			0	23 Sep 2019 14:21	dmitry
2406	BornAgain	Feature	Backlog	Normal	Provide ParticleDistribution with uncoupled parameters			0	24 Sep 2019 12:59	pospelov
2407	BornAgain	Feature	New	Normal	Add q-space coordinates for Off-Specular simulations results			0	25 Sep 2019 09:20	juan