

BornAgain - by tracker

#	Project	Status	Priority	Parent task	Subject	Assignee	Target version	% Done	Created	Author
Bug (35)										
1901	BornAgain	New	Normal		warnings from Gtk			0	19 Nov 2017 13:35	wuttke
2034	BornAgain	New	Normal		Formfactor Icosahedron crosses interface boundary			0	13 Apr 2018 08:55	ganeva
2251	BornAgain	New	Normal		BornAgain. The ordinate (y) scale of graph "Iteration" incorrect display.			0	10 Dec 2018 15:27	Uliana_Koneva
2253	BornAgain	New	Normal		BornAgain. The "Fit parameters" window is incorrectly displayed			0	10 Dec 2018 16:57	Uliana_Koneva
2255	BornAgain	New	Normal		Program crash during fitting			0	11 Dec 2018 16:28	Uliana_Koneva
2332	BornAgain	New	Normal		Appearance of artifacts on real data during work			0	26 Mar 2019 14:26	Uliana_Koneva
2356	BornAgain	New	Normal		Undefined state in Instrument > Polarization analysis > Analyzer orientation and efficiency			0	13 May 2019 18:33	wuttke
2362	BornAgain	New	Normal		GUI: can neither quit, nor cancel an endless job			0	17 May 2019 13:45	wuttke
2363	BornAgain	New	Normal		GUI overrides user choice - specifically, the detector coordinate unit			0	17 May 2019 13:52	wuttke
2364	BornAgain	New	Normal		GUI: feedback on running background job is out of field of vision			0	17 May 2019 14:00	wuttke
2402	BornAgain	New	Normal		Crash on reflectometry "link instrument" for negative values of Q data			0	05 Sep 2019 15:41	juan
1781	BornAgain	New	Low		Fix thisbornagain.sh to correctly drop from path previous BornAgain installation.			0	22 Mar 2017 14:59	pospelov
2354	BornAgain	Sprint	Urgent		Nontrivial scattering pattern at zero contrast			0	13 May 2019 15:54	wuttke
2348	BornAgain	Sprint	Normal		In python examples, enforce color coding of our choice			0	10 May 2019 14:44	wuttke
2025	BornAgain	Backlog	High		Slicing machinery makes mesocrystal simulation very slow			0	03 Apr 2018 16:48	pospelov
1984	BornAgain	Backlog	Normal		GUI: scollaps/expand arrows on InstrumentView are too big on Mac			0	27 Feb 2018 12:19	pospelov
2037	BornAgain	Backlog	Normal		Unrealistically high error in parameter determination while fitting specular signal			0	16 Apr 2018 12:41	dmitry
2090	BornAgain	Backlog	Normal		Fitting history is wiped out after switching to another view and back			0	15 Jun 2018 19:41	dmitry
2099	BornAgain	Backlog	Normal		relative difference item in fit comparison requires revision			0	22 Jun 2018 12:55	dmitry
2180	BornAgain	Backlog	Normal		Always use local folder for autosave functionality (also when project lives in the cloud)			0	02 Oct 2018 13:34	Uliana_Koneva

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2212	BornAgain	Backlog	Normal		Saving 1d data in tiff format causes BornAgain to crash.			0	26 Oct 2018 14:25	juan
2230	BornAgain	Backlog	Normal		GUI on Cinnamon: Window control buttons are missed			0	19 Nov 2018 14:21	ganeva
2269	BornAgain	Backlog	Normal		GUI on windows: import python script fails with anaconda python in path			0	21 Dec 2018 11:22	dmitry
2272	BornAgain	Backlog	Normal		Reports from the school: coefficients are not scalar bug.			0	21 Dec 2018 14:24	pospelov
2280	BornAgain	Backlog	Normal		GUI: consecutive import of sample from several python scripts is affected by previous imports			0	11 Jan 2019 10:36	pospelov
2288	BornAgain	Backlog	Normal		Remove numerical instability at q=0 for 2d paracrystal			0	15 Jan 2019 15:37	herck
2323	BornAgain	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	Backlog	Normal		GUI: Cannot delete several experimental datasets at once			0	15 Mar 2019 09:50	dmitry
2347	BornAgain	Backlog	Normal		GUI crashes with masks and 90deg beam inclination			0	09 May 2019 17:12	herck
2375	BornAgain	Backlog	Normal		fit along slices example fails to converge			0	04 Jun 2019 18:41	dmitry
2403	BornAgain	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
2064	BornAgain	Backlog	Low		Weird behaviour when equalizing plots			0	29 May 2018 14:24	dmitry
2152	BornAgain	Backlog	Low		Project build fail if OpenGL is not accessible			0	17 Sep 2018 12:11	dmitry
2248	BornAgain	Backlog	Low		Material editor problems on windows			0	07 Dec 2018 12:50	dmitry
1416	BornAgain	Waiting	Low	Feature #1287: == Particle form factors ==	form factors with numeric integration fail for small and for large q			0	25 Apr 2016 09:09	wuttke

Feature (126)

1750	BornAgain	Rfc	Normal		Consider cleanup of Git repository to make it smaller in size			0	19 Jan 2017 10:41	pospelov
2339	BornAgain	New	High		Fitting: upon STOP, keep best fit			0	16 Apr 2019 18:32	wuttke
1082	BornAgain	New	Normal	Feature #964: === GUI ===	GUI: provide unddo/redo functionality			0	12 May 2015 16:07	pospelov
1103	BornAgain	New	Normal	Envelope task #1119: == Reflectivity ==	extend simulation to transmission geometry (detector images with z<0)			0	12 Jun 2015 17:57	wuttke
1214	BornAgain	New	Normal	Feature #1688: == Roughness ==	Provide LayerRoughness with a method representing roughness profile in real space			0	19 Oct 2015 13:03	pospelov
1504	BornAgain	New	Normal	Feature #964: === GUI ===	GUI: support standard control keys			0	12 Jul 2016 09:30	wuttke

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1506	BornAgain	New	Normal	Feature #964: === GUI ===	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	New	Normal	Feature #964: === GUI ===	GUI: SHIFT+LeftClick should add to selection			0	12 Jul 2016 11:34	wuttke
1666	BornAgain	New	Normal	Feature #1572: == Python ==	Constructor of Histogram2D should accept also numpy arrays with dtype=int			0	24 Nov 2016 09:57	ganeva
1697	BornAgain	New	Normal	Feature #1714: == Enhance functionality ==	Save/load detector mask			0	01 Dec 2016 14:06	wuttke
1698	BornAgain	New	Normal	Feature #964: === GUI ===	GUI: save/load detector mask			0	01 Dec 2016 14:07	wuttke
1704	BornAgain	New	Normal	Feature #284: === Fit ===	Revise chi squared module			0	01 Dec 2016 14:38	wuttke
1716	BornAgain	New	Normal	Envelope task #1566: == API changes ==	GISASSimulation::setBeamParameter: default value 0 for third parameter phi_i			0	02 Dec 2016 14:41	wuttke
1754	BornAgain	New	Normal		Investigate fitting with Log-Likelihood			0	19 Jan 2017 12:30	pospelov
1755	BornAgain	New	Normal		GUI: provide additional command line parameter to open existing projects			0	19 Jan 2017 12:32	pospelov
1771	BornAgain	New	Normal		GUI: create FitProjectionsWidget to compare projections of real .vs. simulated data			0	24 Feb 2017 14:30	pospelov
1773	BornAgain	New	Normal		GUI: implement a ruler for ProjectionsEditor			0	24 Feb 2017 14:33	pospelov
1864	BornAgain	New	Normal		GUI: provide option to export citation			0	20 Oct 2017 11:58	ganeva
2232	BornAgain	New	Normal		GUI: provide units in tooltips			0	23 Nov 2018 13:31	ganeva
2254	BornAgain	New	Normal		Proposal about uniform units of measurement			0	10 Dec 2018 17:29	Uliana_Koneva
2320	BornAgain	New	Normal		GUI: save project should save also the Python script			0	05 Mar 2019 09:51	ganeva
2340	BornAgain	New	Normal		Fitting: to facilitate switch between minimizers, change handling of minimizers.			0	16 Apr 2019 18:39	wuttke
2341	BornAgain	New	Normal		GUI: personal material library			0	18 Apr 2019 13:53	ganeva
2350	BornAgain	New	Normal		Start material editor without scroll bars, and automatically center dropped sample models			0	13 May 2019 11:16	wuttke
2353	BornAgain	New	Normal		Add "View" to mainwindow menu bar, and replace right-click menu with something context specific.			0	13 May 2019 13:02	wuttke
2358	BornAgain	New	Normal	Envelope task #2357: Reflectometry units should be angstroms.	Save/read reflectometry data/simulation in consistent units			0	14 May 2019 12:04	juan
2359	BornAgain	New	Normal	Envelope task #2357: Reflectometry units should be angstroms.	Plot x-axis units in Angstroms for Reflectometry			0	14 May 2019 12:08	juan

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2366	BornAgain	New	Normal		GUI: move Import1D/2D buttons to "File" menu			0	17 May 2019 14:38	wuttke
2367	BornAgain	New	Normal		GUI: "Layers" section incorrectly suggests choice between "MultiLayer" and "Layer"			0	17 May 2019 14:55	wuttke
2368	BornAgain	New	Normal		GUI>Simulation: decouple setup editor from action buttons			0	17 May 2019 15:26	wuttke
2394	BornAgain	New	Normal		Finite lattices: shape must not be defined in multiples of base vectors			0	31 Jul 2019 16:26	wuttke
2407	BornAgain	New	Normal		Add q-space coordinates for Off-Specular simulations results			0	25 Sep 2019 09:20	juan
1129	BornAgain	New	Low	Feature #964: === GUI ===	GUI: "Sample" tab is not synchronised with "Jobs" tab			0	14 Jul 2015 14:37	sbusch
1927	BornAgain	New	Low		Investigate performance of InterferenceFunction2DParaCrystal::interference1D method			0	18 Dec 2017 14:58	pospelov
2360	BornAgain	New	Low		3DView: Provide button to save video			0	14 May 2019 17:19	juan
2299	BornAgain	Sprint	Normal		Investigate form factor of a cylinder sector	herck		0	11 Feb 2019 10:13	herck
2397	BornAgain	Sprint	Normal		Create user example for superlattice		Sprint 42	0	02 Aug 2019 16:25	pospelov
1677	BornAgain	Backlog	High	Feature #1688: == Roughness ==	Independent roughness cross-correlation for disjoint sets of interfaces			0	25 Nov 2016 11:33	ganeva
2302	BornAgain	Backlog	High		Provide form factor for hexagon-based twisted pyramid	ganeva		0	13 Feb 2019 14:06	ganeva
697	BornAgain	Backlog	Normal	Envelope task #1406: == Particle correlations ==	Use Monte Carlo integration over all incoherent parameters			0	04 Jun 2014 12:44	herck
907	BornAgain	Backlog	Normal	Envelope task #1406: == Particle correlations ==	Create MesoCrystal tutorial			0	27 Nov 2014 15:59	pospelov
1068	BornAgain	Backlog	Normal	Feature #964: === GUI ===	SLD profile in Sample builder			100	08 May 2015 19:55	a.glavic
1229	BornAgain	Backlog	Normal	Feature #1362: == Mac build ==	MacOS: create BornAgain "tap" and "formula" for Homebrew			0	02 Nov 2015 16:54	pospelov
1612	BornAgain	Backlog	Normal	Envelope task #1119: == Reflectivity ==	Specular peak: add forward scattering amplitudes to specular amplitude			0	06 Oct 2016 11:26	herck
1619	BornAgain	Backlog	Normal	Feature #1714: == Enhance functionality ==	Implement support of comma separated ASCII data in IntensityDataIOFactory::readOutputData			0	19 Oct 2016 14:15	pospelov
1751	BornAgain	Backlog	Normal	Envelope task #1602: == CMake configuration, dependences ==	CMake machinery should warn if there are traces of previous BornAgain installation			0	19 Jan 2017 10:53	pospelov

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1805	BornAgain	Backlog	Normal		Investigate the usage of Python external packages (fabio, periodictable) from GUI			0	11 May 2017 11:53	pospelov
1817	BornAgain	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	Backlog	Normal		Implement IFactory with constructor parameters			0	29 Sep 2017 16:30	pospelov
1873	BornAgain	Backlog	Normal		Consider incoherent scattering			0	27 Oct 2017 14:23	ganeva
1877	BornAgain	Backlog	Normal		Revise Utils, Helper, Assistant and Functions usage in file names			0	02 Nov 2017 17:31	pospelov
1920	BornAgain	Backlog	Normal		Adapt BornAgain GUI for 4k displays			0	07 Dec 2017 11:51	pospelov
1950	BornAgain	Backlog	Normal		Investigate hdf5 as default format for BornAgain data files			0	29 Jan 2018 11:17	pospelov
1972	BornAgain	Backlog	Normal		GUI: provide beam divergence for OffSpec instrument			0	21 Feb 2018 11:30	pospelov
1988	BornAgain	Backlog	Normal		Propagate best fit parameter values to parameter tree and fit parameter list			0	28 Feb 2018 11:53	herck
1992	BornAgain	Backlog	Normal		Revise RealTimeView			0	28 Feb 2018 16:18	pospelov
1994	BornAgain	Backlog	Normal		Enable automatic conversion of parameter values/limits between GUI and Core (enabling angle fit parameters)			0	01 Mar 2018 16:12	herck
2000	BornAgain	Backlog	Normal		Use rpath in Linux installation for our own binaries			0	07 Mar 2018 13:16	pospelov
2046	BornAgain	Backlog	Normal		Provide defense against running Python script with wrong version of Python interpreter			0	03 May 2018 12:08	pospelov
2056	BornAgain	Backlog	Normal		Restore MaterialPropertyController			0	24 May 2018 12:41	pospelov
2058	BornAgain	Backlog	Normal		Implement error estimate for poisson-distributed real data			0	24 May 2018 17:17	dmitry
2065	BornAgain	Backlog	Normal		Enable roi for off-specular instrument			0	29 May 2018 15:26	dmitry
2066	BornAgain	Backlog	Normal		Cleanup dmg installer from unnecessary Qt libraries			0	30 May 2018 17:53	pospelov
2067	BornAgain	Backlog	Normal		Expand functionality of python-side plotting utils for reflectometry			0	03 Jun 2018 23:57	dmitry
2085	BornAgain	Backlog	Normal		3D view: move time consuming operations in a thread			0	14 Jun 2018 14:24	pospelov
2086	BornAgain	Backlog	Normal		GUI: introduce extended distribution editor for ParticleDistributionItem			0	14 Jun 2018 14:25	pospelov
2094	BornAgain	Backlog	Normal		Remove restrictions (absence of magnetic scattering) for all IComputations			0	20 Jun 2018 11:54	herck
2112	BornAgain	Backlog	Normal		Boost: remove program_options dependency			0	12 Jul 2018 11:29	pospelov
2114	BornAgain	Backlog	Normal		Boost: remove iostreams dependency			0	12 Jul 2018 11:29	pospelov

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2115	BornAgain	Backlog	Normal		Boost: remove filesystem dependency			0	12 Jul 2018 11:30	pospelov
2117	BornAgain	Backlog	Normal		Provide buildbot configuration to test "make install" in user directory			0	19 Jul 2018 14:10	pospelov
2126	BornAgain	Backlog	Normal		Make default fit observer for specular simulations work with several data sets			0	30 Jul 2018 10:28	dmitry
2145	BornAgain	Backlog	Normal		Enable different axis units for plots in FitObserver			0	12 Sep 2018 14:40	herck
2157	BornAgain	Backlog	Normal		Implement silver behenate example			0	19 Sep 2018 13:35	pospelov
2159	BornAgain	Backlog	Normal		Improve 3D view appearance when particle size is large			0	19 Sep 2018 15:11	pospelov
2160	BornAgain	Backlog	Normal		Consider mask editor to be invoked from instrument view			0	19 Sep 2018 16:06	pospelov
2164	BornAgain	Backlog	Normal		Import edf format for scattering data			0	20 Sep 2018 15:06	herck
2191	BornAgain	Backlog	Normal		Provide python example for lamellar structure			0	08 Oct 2018 11:14	pospelov
2197	BornAgain	Backlog	Normal		3DView: provide default selection of MultiLayer on 3DView open			0	12 Oct 2018 16:39	pospelov
2202	BornAgain	Backlog	Normal		GUI highdpi: replace remaining png icons with their svg versions			0	18 Oct 2018 13:34	pospelov
2203	BornAgain	Backlog	Normal		GUI highdpi: refactor FancyTabWidget to account for high dpi monitors			0	18 Oct 2018 13:35	pospelov
2204	BornAgain	Backlog	Normal		GUI highdpi: switch mainwindow to highdpi mode on Linux by default			0	18 Oct 2018 13:39	pospelov
2205	BornAgain	Backlog	Normal		Replace difference plot in fitobserver with the true metric used for minimization			0	18 Oct 2018 13:47	herck
2209	BornAgain	Backlog	Normal		Provide fitting example using bumps minimizer			0	24 Oct 2018 17:47	pospelov
2215	BornAgain	Backlog	Normal		Implement other variant for 2d lattice iff			0	06 Nov 2018 09:48	herck
2221	BornAgain	Backlog	Normal		Update opt_local.zip file with external dependencies for Windows build			0	13 Nov 2018 17:35	pospelov
2226	BornAgain	Backlog	Normal		GUI highdpi: provide common access to scale factor			0	16 Nov 2018 12:50	pospelov
2227	BornAgain	Backlog	Normal		GUI highdpi: fix Windows scaling issues			0	16 Nov 2018 12:50	pospelov
2238	BornAgain	Backlog	Normal		Get rid of "Linked_instrument" in import tab			0	30 Nov 2018 19:40	dmitry
2244	BornAgain	Backlog	Normal		Implement export of DepthProbeInstrument to Python			0	06 Dec 2018 10:55	pospelov
2261	BornAgain	Backlog	Normal		Provide tooltip for project file name			0	19 Dec 2018 08:22	pospelov
2263	BornAgain	Backlog	Normal		GUI: provide immediate canceling of running job			0	19 Dec 2018 17:50	pospelov
2264	BornAgain	Backlog	Normal		GUI: property panel of intensity data is too narrow on some systems			0	19 Dec 2018 17:54	pospelov

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2266	BornAgain	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
2271	BornAgain	Backlog	Normal	Envelope task #2357: Reflectometry units should be angstroms.	Provide units Angstroms in import 1D data widget			0	21 Dec 2018 12:18	pospelov
2279	BornAgain	Backlog	Normal		Allow the user to select the contributions to the scattering intensity (diffuse, coherent)			0	11 Jan 2019 10:21	herck
2281	BornAgain	Backlog	Normal		GUI: provide pan mode for camera in 3D view			0	11 Jan 2019 11:26	pospelov
2293	BornAgain	Backlog	Normal		3DView: provide mesocrystals in particle distribution			0	31 Jan 2019 12:15	pospelov
2298	BornAgain	Backlog	Normal		Provide icon for Hard Disk Percus-Yevick interference function in GUI			0	08 Feb 2019 11:27	herck
2300	BornAgain	Backlog	Normal		Provide beam divergence for OffSpecular simulation via PythonAPI			0	12 Feb 2019 09:40	pospelov
2313	BornAgain	Backlog	Normal		Adjust step value in spin box for wavelength (instrument view)			0	04 Mar 2019 11:52	dmitry
2334	BornAgain	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	Backlog	Normal		Non-obvious way of constructing custom evaluate function for FitObjective			0	03 Apr 2019 14:02	dmitry
2351	BornAgain	Backlog	Normal		nomenclature: find better term than "interference" for lattices or correlation functions			0	13 May 2019 12:16	wuttke
2372	BornAgain	Backlog	Normal		New reading strategy for 2d data			0	28 May 2019 18:25	juan
2378	BornAgain	Backlog	Normal		Enable new Minuit2 algorithm to Core and GUI			0	08 Jul 2019 14:59	pospelov
2383	BornAgain	Backlog	Normal		Consider exclusion of masked areas from the data provided by FitObjective			0	30 Jul 2019 16:04	pospelov
2406	BornAgain	Backlog	Normal		Provide ParticleDistribution with uncoupled parameters			0	24 Sep 2019 12:59	pospelov
31	BornAgain	Backlog	Low	Envelope task #1119: == Reflectivity ==	Implement x-ray polarization factor			0	23 May 2012 12:57	herck
981	BornAgain	Backlog	Low	Feature #964: === GUI ===	update refractive index when varying wavelength in GUI real time activity			0	19 Feb 2015 17:46	ganeva
1415	BornAgain	Backlog	Low	Feature #1712: == Code maintenance ==	onChange() should invalidate cache, and not immediately execute precompute()			0	22 Apr 2016 09:17	wuttke
1568	BornAgain	Backlog	Low	Feature #1645: == Graded layer and cross-layer particles ==	Implement TruncatedEllipsoid to replace HemiEllipsoid			0	03 Aug 2016 13:25	wuttke
1915	BornAgain	Backlog	Low		Warning while loading certain tiff file			0	04 Dec 2017 11:06	pospelov

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1928	BornAgain	Backlog	Low		Make progress counter work for SpecularSimulation			0	22 Dec 2017 14:22	dmitry
1996	BornAgain	Backlog	Low		Add to the GUI build time in About section			0	02 Mar 2018 11:16	pospelov
2206	BornAgain	Backlog	Low		GUI: restore broken drag-and-drop in the ItemTreeView			0	18 Oct 2018 15:48	pospelov
2274	BornAgain	Backlog	Low		Investigate swig replacement			0	09 Jan 2019 11:34	pospelov
2336	BornAgain	Backlog	Low		Make reflectometry computation as fast as in Refnx			0	04 Apr 2019 13:47	juan
2355	BornAgain	Backlog	Low		nomenclature: "rectangular" -> "flat detector"			0	13 May 2019 16:27	wuttke
300	BornAgain	Long Term Idea	Normal	Envelope task #966: === Theory & Manual ===	Investigate alternatives to Monte-Carlo computation of non-analytic form factors			0	01 Jul 2013 17:29	herck
1540	BornAgain	Long Term Idea	Normal	Envelope task #1406: == Particle correlations ==	Implement incoherent z-distribution of particles inside layer			0	27 Jul 2016 17:51	herck
1722	BornAgain	Long Term Idea	Normal	Envelope task #1119: == Reflectivity ==	self-absorption correction			0	05 Dec 2016 09:33	wuttke
12	BornAgain	Long Term Idea	Low	Envelope task #1438: === Physics ===	Calculation of refractive index for x-rays and neutrons from database			0	18 Apr 2012 11:25	pospelov
319	BornAgain	Long Term Idea	Low	Envelope task #1406: == Particle correlations ==	Provide lamellar form factor for soft matter			0	05 Jul 2013 14:58	herck
587	BornAgain	Long Term Idea	Low	Feature #284: === Fit ===	Investigate objective function alternatives.			0	11 Feb 2014 10:11	pospelov
1032	BornAgain	Long Term Idea	Low	Envelope task #1406: == Particle correlations ==	Rotation of inter-particle structures			0	07 Apr 2015 23:29	a.glavic

Documentation (33)

983	BornAgain	New	Normal	Documentation #976: Derive scalar and polarized wave equation for both X-rays and neutrons, and choose appropriate notation.	Integrate SpecularReflectivity note into the User Manual.			0	20 Feb 2015 11:24	wuttke
1710	BornAgain	New	Normal	Envelope task #966: === Theory & Manual ===	Manual: explain particle density	wuttke		0	01 Dec 2016 17:41	wuttke
1752	BornAgain	New	Normal		Create tutorial about multiple particle layouts.			0	19 Jan 2017 11:17	pospelov
2349	BornAgain	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

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2385	BornAgain	New	Normal		Doxygen > User API > group Simulation: too crowded, break into subgroups			0	31 Jul 2019 10:27	wuttke
2392	BornAgain	New	Normal		Provide Doxygen class comments for recently added classes	dmitry		0	31 Jul 2019 14:09	wuttke
2393	BornAgain	New	Normal		Examples > Hexagonal lattices with basis: choose other correlation length, and explain things			0	31 Jul 2019 15:08	wuttke
976	BornAgain	In Progress	Normal	Envelope task #966: === Theory & Manual ===	Derive scalar and polarized wave equation for both X-rays and neutrons, and choose appropriate notation.	wuttke		0	18 Feb 2015 16:26	wuttke
330	BornAgain	Backlog	Normal	Documentation #1102: review normalization, especially in view of finite sample extension, finite beam width, and small glancing angles	Take care of $k_z=0$ case appropriately			0	17 Jul 2013 11:19	herck
387	BornAgain	Backlog	Normal	Documentation #976: Derive scalar and polarized wave equation for both X-rays and neutrons, and choose appropriate notation.	Provide correct calculation of detected intensity for polarization			0	04 Sep 2013 11:17	herck
726	BornAgain	Backlog	Normal	Documentation #983: Integrate SpecularReflectivity note into the User Manual.	Review calculation of R,T coefficients for magnetic case			0	09 Jul 2014 10:27	herck
840	BornAgain	Backlog	Normal	Feature #861: === Website & Examples ===	Create movie with first GUI tutorial			0	17 Oct 2014 16:27	pospelov
1014	BornAgain	Backlog	Normal	Envelope task #966: === Theory & Manual ===	Manual: describe simulation with distributed parameters			0	19 Mar 2015 10:00	pospelov
1102	BornAgain	Backlog	Normal	Envelope task #966: === Theory & Manual ===	review normalization, especially in view of finite sample extension, finite beam width, and small glancing angles			0	12 Jun 2015 17:51	wuttke
1135	BornAgain	Backlog	Normal	Envelope task #966: === Theory & Manual ===	Manual: describe core shell particles			0	15 Jul 2015 17:29	pospelov
1141	BornAgain	Backlog	Normal	Envelope task #966: === Theory & Manual ===	Manual: describe multi layers			30	20 Jul 2015 09:24	pospelov

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1414	BornAgain	Backlog	Normal	Feature #1287: == Particle form factors ==	regenerate form factor images in manual			0	19 Apr 2016 11:34	wuttke
1971	BornAgain	Backlog	Normal		Provide description of fitting engines' options			0	21 Feb 2018 11:26	dmitry
1999	BornAgain	Backlog	Normal		Cleanup redmine wiki			50	07 Mar 2018 10:41	pospelov
2003	BornAgain	Backlog	Normal		Website: integrate doxygen generated API to Hugo			0	09 Mar 2018 08:49	pospelov
2004	BornAgain	Backlog	Normal		Website: style doxygen generated API to the new website			0	09 Mar 2018 08:50	pospelov
2013	BornAgain	Backlog	Normal		Provide example project file with 'real' data and web tutorial using this			0	16 Mar 2018 10:11	herck
2077	BornAgain	Backlog	Normal		Update ParticleDistribution tutorial			0	13 Jun 2018 16:44	pospelov
2087	BornAgain	Backlog	Normal		Website: provide "description" and "keywords" meta information			0	14 Jun 2018 17:35	pospelov
2088	BornAgain	Backlog	Normal		Website: remove links to external css			0	14 Jun 2018 17:37	pospelov
2144	BornAgain	Backlog	Normal		Add information on website for graded layer approximation			0	12 Sep 2018 12:53	herck
2158	BornAgain	Backlog	Normal		Extend website with nightly builds to accomodate for early testers			0	19 Sep 2018 13:56	herck
2185	BornAgain	Backlog	Normal		Explain peculiarities of matplotlib usage on MacOS			0	04 Oct 2018 11:45	pospelov
2250	BornAgain	Backlog	Normal		Fix doxygen documentation			0	10 Dec 2018 12:12	dmitry
2398	BornAgain	Backlog	Normal		Create user example for batch processing			0	05 Aug 2019 11:34	pospelov
2399	BornAgain	Backlog	Normal		Create user example for OpenMPI processing			0	05 Aug 2019 11:35	pospelov
1638	BornAgain	Backlog	Low	Envelope task #966: === Theory & Manual ===	Manual: Improve / restore side bar navigation			0	14 Nov 2016 16:57	wuttke
2072	BornAgain	Backlog	Low		Make a favicon for new website			0	12 Jun 2018 16:11	pospelov
Refactoring (43)										
1569	BornAgain	Rfc	High	Envelope task #1566: == API changes ==	rename hard particle form factors			0	03 Aug 2016 13:53	wuttke
1060	BornAgain	New	Normal	Envelope task #1406: == Particle correlations ==	refactor SSCA according to manual			0	29 Apr 2015 17:33	wuttke
1578	BornAgain	New	Normal	Envelope task #1566: == API changes ==	reimplement ripples as Cartesian product Profile * Decay			0	08 Aug 2016 16:01	wuttke
1685	BornAgain	New	Normal	Feature #1572: == Python ==	Restrict Python API to what the user needs.			0	28 Nov 2016 14:31	wuttke
1893	BornAgain	New	Normal		GUI: provide uniform splitters where possible			0	14 Nov 2017 11:43	pospelov

#	Project	Status	Priority	Parent task	Subject	Assignee	Target version	% Done	Created	Author
2011	BornAgain	New	Normal		API changes to access the simulation results			0	14 Mar 2018 17:44	ganeva
2369	BornAgain	New	Normal		rename ThirdParty/Fit/RootMinimizers			0	19 May 2019 18:51	wuttke
2386	BornAgain	New	Normal		why not "ISimulation" instead of "Simulation"?			0	31 Jul 2019 10:31	wuttke
2387	BornAgain	New	Normal		Rename "OffSpecularConverter"			0	31 Jul 2019 10:35	wuttke
2390	BornAgain	New	Normal		Revise and document CreateDataImpl			0	31 Jul 2019 11:36	wuttke
2391	BornAgain	New	Normal		Move builder classes out of Core or to dedicated namespace			0	31 Jul 2019 12:13	wuttke
409	BornAgain	Backlog	Normal	Feature #1712: == Code maintenance ==	Remove duplicate functions "evaluate" and "evaluatePol"			0	25 Sep 2013 11:12	herck
1089	BornAgain	Backlog	Normal	Feature #1712: == Code maintenance ==	Refactor interface of evaluate(pol) of Form Factors			0	21 May 2015 13:45	herck
1476	BornAgain	Backlog	Normal	Envelope task #1602: == CMake configuration, dependences ==	Revise installation directory structure under Linux			0	22 Jun 2016 13:57	ganeva
1493	BornAgain	Backlog	Normal	Feature #964: === GUI ===	GUI: Implement tranform from domain for fitting objects			0	01 Jul 2016 13:50	pospelov
1494	BornAgain	Backlog	Normal	Feature #964: === GUI ===	GUI: Implement export of fitting setup to python script.			0	01 Jul 2016 13:50	pospelov
1495	BornAgain	Backlog	Normal	Feature #964: === GUI ===	GUI: extend GUISuite functional test machinery with standard fits			0	01 Jul 2016 13:50	pospelov
1731	BornAgain	Backlog	Normal		Reduce number of TODOs in code			0	07 Dec 2016 14:54	herck
1766	BornAgain	Backlog	Normal		Replace all form factors in sample creation by shapes			0	16 Feb 2017 13:58	herck
1775	BornAgain	Backlog	Normal		Check pyramid like shapes for angles > 90 degrees			0	08 Mar 2017 14:13	herck
1887	BornAgain	Backlog	Normal		Switch to new signal/slot mechanism in Qt (since c++11)			0	10 Nov 2017 16:40	herck
1918	BornAgain	Backlog	Normal		Revise IHistogram class family			0	06 Dec 2017 09:55	dmitry
1990	BornAgain	Backlog	Normal		Remove duplicate type definitions in BornAgainNamespace.h and item_constants.h			0	28 Feb 2018 14:08	herck
2050	BornAgain	Backlog	Normal		Remove dependence of SessionModel::copyItem on XML serialization			0	14 May 2018 18:24	herck
2052	BornAgain	Backlog	Normal		Consider switching to C++17			0	17 May 2018 10:15	dmitry
2093	BornAgain	Backlog	Normal		GUI: create prototype of universal 1D, 2D plot machinery			0	20 Jun 2018 09:26	pospelov
2109	BornAgain	Backlog	Normal		Refactor 1D and 2D plotting			0	12 Jul 2018 09:57	pospelov
2120	BornAgain	Backlog	Normal		Let decay functions calculate the minimum and maximum values of q to use			0	24 Jul 2018 12:19	herck

#	Project	Status	Priority	Parent task	Subject	Assignee	Target version	% Done	Created	Author
2130	BornAgain	Backlog	Normal		Reduce the number of possible ways to access data through SimulationResult			0	30 Jul 2018 16:42	dmitry
2211	BornAgain	Backlog	Normal		Refactor fit progress/fit comparison widgets			0	26 Oct 2018 12:41	pospelov
2234	BornAgain	Backlog	Normal		Simplify minimizer constructor			0	29 Nov 2018 09:59	pospelov
2240	BornAgain	Backlog	Normal		Refactor unit convertor construction in InstrumentItem			0	03 Dec 2018 14:12	pospelov
2241	BornAgain	Backlog	Normal		Replace DoubleEditor and ScientificDoublePropertyEditor with ScientificSpinBox			0	05 Dec 2018 13:23	dmitry
2242	BornAgain	Backlog	Normal		Provide common interface of handling mean/center/median value in distributions			0	05 Dec 2018 13:45	dmitry
2275	BornAgain	Backlog	Normal		Refactor cmake machinery for consistent Python interpreter/libraries handling			0	09 Jan 2019 11:42	pospelov
2376	BornAgain	Backlog	Normal		Look for an alternative to root minimizers			0	05 Jun 2019 13:14	dmitry
2405	BornAgain	Backlog	Normal		Simplify IterationStrategy and related classes			0	23 Sep 2019 14:21	dmitry
1065	BornAgain	Backlog	Low	Feature #1287: == Particle form factors ==	Revise particle form factors: change names, add few form factors, change some parametrization			100	08 May 2015 18:39	wuttke
1468	BornAgain	Backlog	Low	Feature #1712: == Code maintenance ==	Migrate to stdexcept			0	16 Jun 2016 10:17	wuttke
1541	BornAgain	Backlog	Low	Feature #1712: == Code maintenance ==	review areAlmostEqual and get_relative_difference			0	28 Jul 2016 10:18	wuttke
1547	BornAgain	Backlog	Low	Feature #284: === Fit ===	restore ScanningMinimizer			0	01 Aug 2016 10:57	wuttke
1693	BornAgain	Backlog	Low	Feature #1712: == Code maintenance ==	Make consequential use of default values in initializer lists.			0	01 Dec 2016 11:13	wuttke
2343	BornAgain	Backlog	Low		Improve performance in reflectometry engine			0	30 Apr 2019 18:17	dmitry

Testing (5)

2345	BornAgain	New	Normal		Unit test for loading Reflectometry ASCII data			0	07 May 2019 17:47	juan
2020	BornAgain	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
2121	BornAgain	Backlog	Normal		Consider using mutation testing			0	24 Jul 2018 14:37	herck
2133	BornAgain	Backlog	Normal		Create functional test for sliced centered fullsphere			0	31 Jul 2018 13:22	herck
2309	BornAgain	Backlog	Normal		Provide more test coverage of multilayer slicing machinery			0	28 Feb 2019 09:52	herck

Support (3)

#	Project	Status	Priority	Parent task	Subject	Assignee	Target version	% Done	Created	Author
1199	BornAgain	New	Normal	Envelope task #1406: == Particle correlations ==	Consider implementation of partial structure factor			0	06 Oct 2015 10:28	pospelov
2284	BornAgain	New	Normal		Windows: python error when trying to plot.			0	14 Jan 2019 16:19	juan
2276	BornAgain	Sprint	Normal		Provide simulation of mpnc sample for DESY			0	10 Jan 2019 09:18	pospelov

Envelope task (8)

2357	BornAgain	Sprint	Normal		Reflectometry units should be angstroms.			0	14 May 2019 11:57	juan
1438	BornAgain	In Progress	Urgent		=== Physics ===			80	30 May 2016 16:08	wuttke
1119	BornAgain	In Progress	High	Envelope task #1438: === Physics ===	== Reflectivity ==			67	02 Jul 2015 10:18	herck
1406	BornAgain	In Progress	High	Envelope task #1438: === Physics ===	== Particle correlations ==			36	13 Apr 2016 18:29	wuttke
1566	BornAgain	In Progress	High	Feature #1290: === Core: framework ===	== API changes ==			67	03 Aug 2016 10:25	wuttke
2314	BornAgain	In Progress	High		Requirements from ESS instrument scientists for reflectometry in BornAgain			0	04 Mar 2019 13:01	dmitry
966	BornAgain	In Progress	Normal		=== Theory & Manual ===			62	17 Feb 2015 10:34	wuttke
1602	BornAgain	In Progress	Normal	Feature #418: === Configuration & Build ===	== CMake configuration, dependences ==			71	03 Sep 2016 13:43	wuttke

Configuration (5)

1718	BornAgain	New	Normal	Feature #1361: == Win build ==	Provide Windows installer with debug info in it			0	02 Dec 2016 15:15	pospelov
1175	BornAgain	Backlog	Normal	Feature #1363: == Unix build ==	Provide official debian package			0	03 Sep 2015 09:59	ganeva
1615	BornAgain	Backlog	Normal	Feature #418: === Configuration & Build ===	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	Backlog	Normal	Feature #1686: == Release procedures and pre-release actions ==	Doxygen generation on apps server not compatible anymore with links to API			0	15 Nov 2016 12:19	herck
2216	BornAgain	Backlog	Normal		Remove stgz extension in BornAgainCPack.cmake			0	06 Nov 2018 15:43	herck