

## BornAgain - by priority

#	Tracker	Status	Priority	Subject	Assignee	Target version	% Done	Created	Author
31	Feature	Backlog	Low	Core: beam propagation: Implement x-ray polarization factor			0	23 May 2012 12:57	herck
981	Feature	Backlog	Low	GUI: Real-time activity: update refractive index when varying wavelength			0	19 Feb 2015 17:46	ganeva
1415	Feature	Backlog	Low	Parameterization: onChange() should invalidate cache, and not immediately execute precompute()			0	22 Apr 2016 09:17	wuttke
1468	Refactoring	Backlog	Low	Code organization: Migrate to stdexcept			0	16 Jun 2016 10:17	wuttke
1504	Feature	Backlog	Low	GUI: support standard control keys			0	12 Jul 2016 09:30	wuttke
1506	Feature	Backlog	Low	GUI Sample Tree View: cut / paste or move to be added to right-click popup menu			0	12 Jul 2016 10:14	wuttke
1507	Feature	Backlog	Low	GUI: Sample builder & editor: SHIFT+LeftClick should add to selection			0	12 Jul 2016 11:34	wuttke
1578	Refactoring	Backlog	Low	Core: FF: reimplement ripples as Cartesian product Profile * Decay			0	08 Aug 2016 16:01	wuttke
1615	Configuration	Backlog	Low	Code organisation: in each third-party source directory, provide information about used download location, download date, and downloaded version			0	13 Oct 2016 14:13	wuttke
1704	Feature	Backlog	Low	Fit: Revise chi squared module			0	01 Dec 2016 14:38	wuttke
1718	Configuration	Backlog	Low	Installer: Windows: Provide alternative installer with debug symbols			0	02 Dec 2016 15:15	pospelov
1755	Feature	Backlog	Low	GUI: provide additional command line parameter to open existing projects			0	19 Jan 2017 12:32	pospelov
1773	Feature	Backlog	Low	GUI: implement a ruler for ProjectionsEditor			0	24 Feb 2017 14:33	pospelov
1893	Refactoring	Backlog	Low	GUI: provide uniform splitters where possible			0	14 Nov 2017 11:43	pospelov
1928	Feature	Backlog	Low	GUI: SpecularSimulation: progress counter broken			0	22 Dec 2017 14:22	dmitry
1992	Feature	Backlog	Low	GUI: RealTimeView: revise			0	28 Feb 2018 16:18	pospelov
1996	Feature	Backlog	Low	GUI: About: print build time			0	02 Mar 2018 11:16	pospelov
2020	Testing	Backlog	Low	Test: add functional test of reproducibility of simulation runs			0	21 Mar 2018 13:57	dmitry
2056	Feature	Backlog	Low	GUI: Restore MaterialPropertyController			0	24 May 2018 12:41	pospelov
2064	Bug	Backlog	Low	GUI: plots: weird behaviour when equalizing plots			0	29 May 2018 14:24	dmitry
2072	Documentation	Backlog	Low	Artwork: provide favicon for new website			0	12 Jun 2018 16:11	pospelov
2090	Bug	Backlog	Low	GUI: Fitting history is wiped out after switching to another view and back			0	15 Jun 2018 19:41	dmitry
2109	Refactoring	Backlog	Low	GUI: plots: refactor 1D and 2D plotting			0	12 Jul 2018 09:57	pospelov
2120	Refactoring	Backlog	Low	Core: inter-particle: Let decay functions calculate the minimum and maximum values of q to use			0	24 Jul 2018 12:19	herck
2160	Feature	Backlog	Low	GUI: consider mask editor to be invoked from instrument view			0	19 Sep 2018 16:06	pospelov
2164	Feature	Backlog	Low	Core: import: support edf format for scattering data			0	20 Sep 2018 15:06	herck

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2205	Feature	Backlog	Low	Fit: Replace difference plot in fitobserver with the true metric used for minimization			0	18 Oct 2018 13:47	herck
2206	Feature	Backlog	Low	GUI: restore broken drag-and-drop in the ItemTreeView			0	18 Oct 2018 15:48	pospelov
2211	Refactoring	Backlog	Low	GUI: Fit view: Refactor fit progress/fit comparison widgets			0	26 Oct 2018 12:41	pospelov
2215	Feature	Backlog	Low	Core: inter-particle: implement other variant for 2d lattice interference function			0	06 Nov 2018 09:48	herck
2221	Refactoring	Backlog	Low	Installer: Windows: get libraries from Nuget?			0	13 Nov 2018 17:35	pospelov
2238	Feature	Backlog	Low	GUI: Import tab: Get rid of "Linked_instrument"			0	30 Nov 2018 19:40	dmitry
2244	Feature	Backlog	Low	PythonAPI: support DepthProbeInstrument (currently GUI only)			0	06 Dec 2018 10:55	pospelov
2248	Bug	Backlog	Low	GUI: Material editor: problems on windows			0	07 Dec 2018 12:50	dmitry
2251	Bug	Backlog	Low	GUI: plots: The ordinate (y) scale of graph "Iteration" incorrect display.			0	10 Dec 2018 15:27	Uliana_Koneva
2253	Bug	Backlog	Low	GUI: The "Fit parameters" window is incorrectly displayed			0	10 Dec 2018 16:57	Uliana_Koneva
2261	Feature	Backlog	Low	GUI: WelcomeView: Provide tooltip for project file name			0	19 Dec 2018 08:22	pospelov
2279	Feature	Backlog	Low	Core: allow the user to select the contributions to the scattering intensity (diffuse, coherent)			0	11 Jan 2019 10:21	herck
2327	Bug	Backlog	Low	GUI: cannot delete several experimental datasets at once			0	15 Mar 2019 09:50	dmitry
2341	Feature	Backlog	Low	GUI: personal material library			0	18 Apr 2019 13:53	ganeva
2350	Feature	Backlog	Low	GUI: Material editor: Start without scroll bars, and automatically center dropped sample models			0	13 May 2019 11:16	wuttke
2353	Feature	Backlog	Low	GUI: Add "View" to mainwindow menu bar, and replace right-click menu with something context specific.			0	13 May 2019 13:02	wuttke
2363	Bug	Backlog	Low	Units: GUI overrides user choice - specifically, the detector coordinate unit			0	17 May 2019 13:52	wuttke
2364	Bug	Backlog	Low	GUI: feedback on running background job is out of field of vision			0	17 May 2019 14:00	wuttke
2366	Feature	Backlog	Low	GUI: move Import1D/2D buttons to "File" menu			0	17 May 2019 14:38	wuttke
2367	Feature	Backlog	Low	GUI: Sample builder: "Layers" section incorrectly suggests choice between "MultiLayer" and "Layer"			0	17 May 2019 14:55	wuttke
2368	Feature	Backlog	Low	GUI: Simulation tab: decouple setup editor from action buttons			0	17 May 2019 15:26	wuttke
2378	Feature	Backlog	Low	Fit: enable new Minuit2 algorithm to Core and GUI			0	08 Jul 2019 14:59	pospelov
2383	Feature	Backlog	Low	Fit: consider exclusion of masked areas from the data provided by FitObjective			0	30 Jul 2019 16:04	pospelov
2390	Refactoring	Backlog	Low	Core: Intensity/ArrayUtils.h: CreateDataImpl: Revise and document			0	31 Jul 2019 11:36	wuttke
2391	Refactoring	Backlog	Low	Code organization: Move builder classes out of Core or to dedicated namespace			0	31 Jul 2019 12:13	wuttke
2407	Feature	Backlog	Low	GUI: Add q-space coordinates for Off-Specular simulations results			0	25 Sep 2019 09:20	juan

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2411	Feature	Backlog	Low	GUI: Fitting Activity View - a couple of improvements			0	31 Oct 2019 09:51	juan
2470	Configuration	Backlog	Low	Installer: Windows: link GSL dynamically			0	30 Jun 2020 17:12	wuttke
587	Feature	Long Term Idea	Low	Fit: investigate objective function alternatives			0	11 Feb 2014 10:11	pospelov
1805	Feature	Long Term Idea	Low	Code dependencies: investigate usage of Python packages from C++ (fabio, periodictable)			0	11 May 2017 11:53	pospelov
2274	Feature	Long Term Idea	Low	Code organisation: investigate Swig replacement			0	09 Jan 2019 11:34	pospelov
2360	Feature	Long Term Idea	Low	3DView: Provide button to save video			0	14 May 2019 17:19	juan
2478	Bug	New	Normal	Windows: restore error message when ASSERT fails			0	25 Sep 2020 10:57	wuttke
12	Feature	Backlog	Normal	Core: SLD: Calculation of refractive index for x-rays and neutrons from database			0	18 Apr 2012 11:25	pospelov
409	Refactoring	Backlog	Normal	Core: remove duplicate functions "evaluate" and "evaluatePol"			0	25 Sep 2013 11:12	herck
697	Feature	Backlog	Normal	Core: support Monte Carlo integration over all incoherent parameters			0	04 Jun 2014 12:44	herck
907	Feature	Backlog	Normal	Example to create: MesoCrystal tutorial			0	27 Nov 2014 15:59	pospelov
1014	Documentation	Backlog	Normal	Parameterization: document simulation with distributed parameters			0	19 Mar 2015 10:00	pospelov
1060	Refactoring	Backlog	Normal	Core: refactor SSCA according to manual			0	29 Apr 2015 17:33	wuttke
1175	Configuration	Backlog	Normal	Installer: Linux: Provide official debian package			0	03 Sep 2015 09:59	ganeva
1214	Feature	Backlog	Normal	Core: roughness: add real-space visualization			0	19 Oct 2015 13:03	pospelov
1229	Feature	Backlog	Normal	Installer: MacOS: create BornAgain "tap" and "formula" for Homebrew			0	02 Nov 2015 16:54	pospelov
1416	Bug	Backlog	Normal	Core: FF: form factors with numeric integration fail for small and for large q			0	25 Apr 2016 09:09	wuttke
1493	Refactoring	Backlog	Normal	GUI: Implement tranform from domain for fitting objects			0	01 Jul 2016 13:50	pospelov
1494	Refactoring	Backlog	Normal	GUI: Implement export of fitting setup to python script.			0	01 Jul 2016 13:50	pospelov
1495	Refactoring	Backlog	Normal	GUI: extend GUISuite functional test machinery with standard fits			0	01 Jul 2016 13:50	pospelov
1569	Refactoring	Backlog	Normal	Core: FF: API: rename hard particle form factors			0	03 Aug 2016 13:53	wuttke
1666	Feature	Backlog	Normal	PythonAPI: Constructor of Histogram2D should accept also numpy arrays with dtype=int			0	24 Nov 2016 09:57	ganeva
1685	Refactoring	Backlog	Normal	PythonAPI: Only expose classes/functions that users might need			0	28 Nov 2016 14:31	wuttke
1698	Feature	Backlog	Normal	GUI: save/load detector mask			0	01 Dec 2016 14:07	wuttke
1715	Feature	Backlog	Normal	Core API: start sample construction with SlabSample() or FilmSample()			0	02 Dec 2016 14:02	wuttke
1751	Feature	Backlog	Normal	CMake: warn if there are remnants of other BornAgain installation			0	19 Jan 2017 10:53	pospelov
1754	Feature	Backlog	Normal	Fit: investigate log-likelihood, Poisson statistics			0	19 Jan 2017 12:30	pospelov
1775	Refactoring	Backlog	Normal	Parameterization: Check pyramid like shapes for angles > 90 degrees			0	08 Mar 2017 14:13	herck

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1817	Feature	Backlog	Normal	GUI: provide an easy way of importing instrument definitions and real data into the GUI			0	12 Jun 2017 14:57	herck
1847	Refactoring	Backlog	Normal	Test: let IFactory support variadic constructor parameters			0	29 Sep 2017 16:30	pospelov
1864	Feature	Backlog	Normal	GUI: About: provide option to export citation			0	20 Oct 2017 11:58	ganeva
1918	Refactoring	Backlog	Normal	Core API: review IHistogram class family			0	06 Dec 2017 09:55	dmitry
1927	Feature	Backlog	Normal	Core: inter-particle: InterferenceFunction2DParaCrystal::interference1D is slow			0	18 Dec 2017 14:58	pospelov
1971	Documentation	Backlog	Normal	Fit: Provide description of fitting engines' options			0	21 Feb 2018 11:26	dmitry
1972	Feature	Backlog	Normal	GUI: provide beam divergence for OffSpec instrument			0	21 Feb 2018 11:30	pospelov
1984	Bug	Backlog	Normal	GUI: collaps/expand arrows on InstrumentView are too big on Mac			0	27 Feb 2018 12:19	pospelov
1988	Feature	Backlog	Normal	Fit: Propagate best fit parameter values to parameter tree and fit parameter list			0	28 Feb 2018 11:53	herck
1994	Feature	Backlog	Normal	Units: Enable automatic conversion of parameter values/limits between GUI and Core (enabling angle fit parameters)			0	01 Mar 2018 16:12	herck
2000	Feature	Backlog	Normal	CMake: Linux installation: use rpath for our own binaries			0	07 Mar 2018 13:16	pospelov
2011	Refactoring	Backlog	Normal	PythonAPI: improve access to the simulation results			0	14 Mar 2018 17:44	ganeva
2013	Documentation	Backlog	Normal	Example to create: project file with 'real' data and web tutorial using this			0	16 Mar 2018 10:11	herck
2050	Refactoring	Backlog	Normal	GUI: SessionModel::copyItem: remove dependence on XML serialization			0	14 May 2018 18:24	herck
2058	Feature	Backlog	Normal	Core: compute Poisson error estimate for experimental real data			0	24 May 2018 17:17	dmitry
2066	Feature	Backlog	Normal	Installer: MacOS: cleanup dmg installer from unnecessary Qt libraries			0	30 May 2018 17:53	pospelov
2067	Feature	Backlog	Normal	Python utils: enhance functionality for reflectometry plotting			0	03 Jun 2018 23:57	dmitry
2085	Feature	Backlog	Normal	3DView: move time consuming operations in a thread			0	14 Jun 2018 14:24	pospelov
2086	Feature	Backlog	Normal	GUI: introduce extended distribution editor for ParticleDistributionItem			0	14 Jun 2018 14:25	pospelov
2087	Documentation	Backlog	Normal	Website: provide "description" and "keywords" meta information			0	14 Jun 2018 17:35	pospelov
2093	Refactoring	Backlog	Normal	GUI: plots: create prototype of universal 1D, 2D plot machinery			0	20 Jun 2018 09:26	pospelov
2099	Bug	Backlog	Normal	GUI: relative difference item in fit comparison requires revision			0	22 Jun 2018 12:55	dmitry
2112	Feature	Backlog	Normal	Code dependencies: get rid of boost::program_options			0	12 Jul 2018 11:29	pospelov
2114	Feature	Backlog	Normal	Code dependencies: get rid of boost::iostreams			0	12 Jul 2018 11:29	pospelov
2115	Feature	Backlog	Normal	Code dependencies: replace boost::filesystem by C++17 std::			0	12 Jul 2018 11:30	pospelov
2130	Refactoring	Backlog	Normal	Core API: Reduce the number of possible ways to access data through SimulationResult			0	30 Jul 2018 16:42	dmitry
2133	Testing	Backlog	Normal	Core: slicing: ensure functional test coverage of sliced particles			0	31 Jul 2018 13:22	herck
2157	Feature	Backlog	Normal	Example to create: silver behenate standard sample			0	19 Sep 2018 13:35	pospelov

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2159	Feature	Backlog	Normal	3DView: improve appearance when particle size is large			0	19 Sep 2018 15:11	pospelov
2180	Bug	Backlog	Normal	GUI autosave: always use local folder for autosave functionality (also when project lives in the cloud)			0	02 Oct 2018 13:34	Uliana_Koneva
2185	Documentation	Backlog	Normal	Installer: MacOS: Explain peculiarities of matplotlib usage			0	04 Oct 2018 11:45	pospelov
2191	Feature	Backlog	Normal	Example to create: Lamellar structure			0	08 Oct 2018 11:14	pospelov
2197	Feature	Backlog	Normal	3DView: provide default selection of MultiLayer on 3DView open			0	12 Oct 2018 16:39	pospelov
2202	Feature	Backlog	Normal	GUI highdpi: replace remaining png icons with their svg versions			0	18 Oct 2018 13:34	pospelov
2203	Feature	Backlog	Normal	GUI highdpi: refactor FancyTabWidget to account for high dpi monitors			0	18 Oct 2018 13:35	pospelov
2204	Feature	Backlog	Normal	GUI highdpi: switch mainwindow to highdpi mode on Linux by default			0	18 Oct 2018 13:39	pospelov
2209	Feature	Backlog	Normal	Example to create: Fit using bumps minimizer			0	24 Oct 2018 17:47	pospelov
2226	Feature	Backlog	Normal	GUI highdpi: provide common access to scale factor			0	16 Nov 2018 12:50	pospelov
2227	Feature	Backlog	Normal	GUI highdpi: fix Windows scaling issues			0	16 Nov 2018 12:50	pospelov
2230	Bug	Backlog	Normal	GUI on Cinnamon: Window control buttons are missed			0	19 Nov 2018 14:21	ganeva
2232	Feature	Backlog	Normal	GUI: provide units in tooltips			0	23 Nov 2018 13:31	ganeva
2234	Refactoring	Backlog	Normal	Fit: Simplify minimizer constructor			0	29 Nov 2018 09:59	pospelov
2240	Refactoring	Backlog	Normal	GUI: InstrumentItem: refactor unit convertor construction			0	03 Dec 2018 14:12	pospelov
2241	Refactoring	Backlog	Normal	GUI: Replace DoubleEditor and ScientificDoublePropertyEditor with ScientificSpinBox			0	05 Dec 2018 13:23	dmitry
2242	Refactoring	Backlog	Normal	Parameterization: Provide common interface of handling mean/center/median value in distributions			0	05 Dec 2018 13:45	dmitry
2263	Feature	Backlog	Normal	GUI: provide immediate canceling of running job			0	19 Dec 2018 17:50	pospelov
2264	Feature	Backlog	Normal	GUI: property panel of intensity data is too narrow on some systems			0	19 Dec 2018 17:54	pospelov
2266	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	Bug	Backlog	Normal	GUI on Windows: import python script fails with anaconda python in path			0	21 Dec 2018 11:22	dmitry
2280	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	Feature	Backlog	Normal	GUI: provide pan mode for camera in 3D view			0	11 Jan 2019 11:26	pospelov
2284	Configuration	Backlog	Normal	Installer: Windows: python error when trying to plot.			0	14 Jan 2019 16:19	juan
2293	Feature	Backlog	Normal	3DView: provide mesocrystals in particle distribution			0	31 Jan 2019 12:15	pospelov
2298	Feature	Backlog	Normal	Artwork: provide icon for Hard Disk Percus-Yevick interference function in GUI			0	08 Feb 2019 11:27	herck
2299	Feature	Backlog	Normal	Core: FF: Investigate form factor of a cylinder sector			0	11 Feb 2019 10:13	herck
2300	Feature	Backlog	Normal	PythonAPI: provide beam divergence for OffSpecular simulation			0	12 Feb 2019 09:40	pospelov

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2309	Testing	Backlog	Normal	Core: slicing: Provide more test coverage of multilayer slicing machinery			0	28 Feb 2019 09:52	herck
2313	Feature	Backlog	Normal	GUI: adjust step value in spin box for wavelength (instrument view)			0	04 Mar 2019 11:52	dmitry
2323	Bug	Backlog	Normal	GUI: plots: cannot set a horizontal/vertical projection when switching from color map to projections view			0	12 Mar 2019 15:57	dmitry
2334	Feature	Backlog	Normal	Installer: Windows: 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	Feature	Backlog	Normal	Fit: Non-obvious way of constructing custom evaluate function for FitObjective			0	03 Apr 2019 14:02	dmitry
2340	Feature	Backlog	Normal	Fit: facilitate switch between minimizers (problem with constraints)			0	16 Apr 2019 18:39	wuttke
2347	Bug	Backlog	Normal	GUI crashes with masks and 90deg beam inclination			0	09 May 2019 17:12	herck
2348	Bug	Backlog	Normal	Example: In python examples, enforce color coding of our choice			0	10 May 2019 14:44	wuttke
2349	Documentation	Backlog	Normal	Core: instrument: improve example: Beam divergence: use sample with highly structured GISAS pattern, and show effect of beam divergence			0	10 May 2019 14:47	wuttke
2356	Bug	Backlog	Normal	Parameterization: Undefined state in Instrument > Polarization analysis > Analyzer orientation and efficiency			0	13 May 2019 18:33	wuttke
2372	Feature	Backlog	Normal	Core: import 2D SANS data			0	28 May 2019 18:25	juan
2393	Documentation	Backlog	Normal	Core: inter-particle: improve example: Hexagonal lattices with basis: choose other correlation length, and explain things			0	31 Jul 2019 15:08	wuttke
2394	Feature	Backlog	Normal	Core: inter-particle: finite-lattice shape must not be defined in multiples of base vectors			0	31 Jul 2019 16:26	wuttke
2397	Feature	Backlog	Normal	Example to create: for superlattice			0	02 Aug 2019 16:25	pospelov
2398	Documentation	Backlog	Normal	Example to create: for batch processing			0	05 Aug 2019 11:34	pospelov
2399	Documentation	Backlog	Normal	Example to create: OpenMPI processing			0	05 Aug 2019 11:35	pospelov
2403	Bug	Backlog	Normal	Units: upon GUI import, int.gz file with reflectometry data shows Q units but the ticks correspond to bins			0	05 Sep 2019 17:26	dmitry
2406	Feature	Backlog	Normal	Parameterization: Provide ParticleDistribution with uncoupled parameters			0	24 Sep 2019 12:59	pospelov
2409	Bug	Backlog	Normal	GUI: "save image" button from 3D viewer creates psychedelic images			0	17 Oct 2019 10:47	ganeva
2417	Feature	Backlog	Normal	Polarized: support z-component of magnetic field			0	20 Nov 2019 12:47	dmitry
2418	Feature	Backlog	Normal	Polarized: support polarized reflectivity in GUI			0	20 Nov 2019 13:52	dmitry
2420	Feature	Backlog	Normal	TO DISCUSS: Switch back to previous 1D (interactive) data loader			0	20 Nov 2019 16:41	dmitry
2421	Refactoring	Backlog	Normal	Core: instrument: Remove remnants of old-style divergence definition in reflectometry			0	20 Nov 2019 17:16	dmitry
2422	Feature	Backlog	Normal	Core: add free-form resolution for reflectometry			0	21 Nov 2019 13:37	dmitry
2423	Feature	Backlog	Normal	Core: add posterior normalization for reflectivity curves			0	21 Nov 2019 14:19	dmitry

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2429	Documentation	Backlog	Normal	Website: add Hugo option to mark tutorials with "Available in Release n.nn"			0	06 Apr 2020 10:36	pospelov
2433	Feature	Backlog	Normal	Parameterization: investigate multi-threaded performance in the case of parameter distribution.			0	06 Apr 2020 11:00	pospelov
2436	Feature	Backlog	Normal	Core API: MultiLayer: redesign to support repetitions.			0	06 Apr 2020 11:36	pospelov
2464	Feature	Backlog	Normal	Artwork (GUI+Doc): provide CantellatedCube (blue 3d view and grey 2d cuts)			0	15 Jun 2020 15:03	wuttke
2467	Feature	Backlog	Normal	PythonAPI: improve use of keyword arguments; also improve documentation		v2.0	0	25 Jun 2020 15:43	wuttke
2468	Feature	Backlog	Normal	Units: improve options in PythonAPI		v2.0	0	25 Jun 2020 15:45	wuttke
2469	Feature	Backlog	Normal	PythonAPI: make 'result' more pythonic		v2.0	0	25 Jun 2020 15:47	wuttke
2476	Refactoring	Backlog	Normal	Fit: catalogize algorithms, not minimizers			0	14 Jul 2020 16:45	wuttke
1032	Feature	Long Term Idea	Normal	Core: Rotation of inter-particle structures			0	07 Apr 2015 23:29	a.glavic
1540	Feature	Long Term Idea	Normal	Core: support incoherent z-distribution of particles inside layer			0	27 Jul 2016 17:51	herck
1722	Feature	Long Term Idea	Normal	Core: Beyond DWBA: self-absorption correction			0	05 Dec 2016 09:33	wuttke
2376	Refactoring	Long Term Idea	Normal	Fit: Look for an alternative to root minimizers			0	05 Jun 2019 13:14	dmitry
1068	Feature	Backlog	Normal	GUI: provide SLD profile view			100	08 May 2015 19:55	a.glavic
1612	Feature	Backlog	High	Core: beam propagation: add forward scattering amplitudes to specular amplitude			0	06 Oct 2016 11:26	herck
1677	Feature	Backlog	High	Core: roughness: Independent roughness cross-correlation for disjoint sets of interfaces			0	25 Nov 2016 11:33	ganeva
1781	Bug	Backlog	High	Installer: Linux: Fix thisbornagain.sh to correctly drop from path previous BornAgain installation.			0	22 Mar 2017 14:59	pospelov
2025	Bug	Backlog	High	Core: slicing: makes mesocrystal simulation very slow			0	03 Apr 2018 16:48	pospelov
2037	Bug	Backlog	High	Fit: Unrealistically high error estimate (while fitting specular signal)			0	16 Apr 2018 12:41	dmitry
2254	Feature	Backlog	High	Units: Proposal about uniform units of measurement			0	10 Dec 2018 17:29	Uliana_Koneva
2288	Bug	Backlog	High	Core: inter-particle: Remove numerical instability at q=0 for 2d paracrystal			0	15 Jan 2019 15:37	herck
2320	Feature	Backlog	High	GUI: project back compatibility: save project should save also the Python script			0	05 Mar 2019 09:51	ganeva
2255	Bug	Sprint	High	Parameterization: incompatible fit parameters handled badly, cause program crash during fitting			0	11 Dec 2018 16:28	Uliana_Koneva
2402	Bug	Sprint	High	Core math: Crash on reflectometry "link instrument" for negative values of Q data			0	05 Sep 2019 15:41	juan

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1141	Documentation	Backlog	High	Manual: describe multi layers			30	20 Jul 2015 09:24	pospelov
2357	Feature	Backlog	Urgent	Units: reflectometry units should be angstroms.			100	14 May 2019 11:57	juan
1082	Refactoring	Sprint	High	GUI: provide undo/redo functionality	pospelov	v2.0	0	12 May 2015 16:07	pospelov
2462	Refactoring	New	Normal	Polarized: Split beam propagation calculations into a computation and measurement step	rbeerwerth		0	03 Jun 2020 11:50	rbeerwerth
330	Documentation	In Progress	Normal	Core: beam propagation: take care of kz=0 case appropriately	rbeerwerth	v1.18	0	17 Jul 2013 11:19	herck
2094	Feature	Backlog	Normal	Polarized: allow magnetic scattering for all IComputations	rbeerwerth		0	20 Jun 2018 11:54	herck
2410	Refactoring	Backlog	Normal	Core: beam propagation: Speeding up computations on samples with a large number of layers	rbeerwerth		0	21 Oct 2019 10:23	dmitry
2414	Feature	Backlog	Normal	Polarized: enable specular signal for polarized GISAS	rbeerwerth		0	20 Nov 2019 10:32	dmitry
2416	Bug	Backlog	Normal	Polarized: Fix treatment of imperfect analyzers	rbeerwerth		0	20 Nov 2019 11:45	dmitry
1102	Documentation	Sprint	Normal	Core: instrument simulation: review normalization, especially in view of finite sample extension, finite beam width, and small glancing angles	rbeerwerth		0	12 Jun 2015 17:51	wuttke
2415	Feature	Backlog	High	Polarized: validate reflectivity against other software	rbeerwerth		0	20 Nov 2019 10:36	dmitry
1568	Feature	Backlog	Low	Core: FF: Implement TruncatedEllipsoid to replace HemiEllipsoid	wuttke		0	03 Aug 2016 13:25	wuttke
1766	Refactoring	Backlog	Normal	Core: FF: Replace all form factors in sample creation by shapes	wuttke		0	16 Feb 2017 13:58	herck
2425	Feature	Backlog	Normal	Core: add function interpolator, to get steep minima in x-y plots right	wuttke		0	29 Nov 2019 11:18	wuttke
1990	Refactoring	Sprint	Normal	Code organisation: Remove duplicate type definitions in BornAgainNamespace.h and item_constants.h	wuttke		0	28 Feb 2018 14:08	herck
983	Documentation	In Progress	High	Physics manual: add chapter on beam propagation in stratified samples	wuttke		0	20 Feb 2015 11:24	wuttke
2457	Refactoring	Backlog	High	Code organisation: facilitate sample model API changes	wuttke	v.1.19	0	18 May 2020 14:38	wuttke
2471	Refactoring	Backlog	High	Core: FF: Revise particle rotation axis (at bottom vs through center)	wuttke		0	01 Jul 2020 19:09	wuttke
2477	Bug	Sprint	Urgent	Core: FF: support rotation of Box around x or y axis	wuttke		0	22 Sep 2020 14:21	wuttke