

## BornAgain - by status

#	Project	Priority	Tracker	Parent task	Subject	Assignee	Target version	% Done	Created	Author
<b>New (2)</b>										
2462	BornAgain	Normal	Refactoring		Polarized: Split beam propagation calculations into a computation and measurement step	rbeerwerth		0	03 Jun 2020 11:50	rbeerwerth
2478	BornAgain	Normal	Bug		Windows: restore error message when ASSERT fails			0	25 Sep 2020 10:57	wuttke
<b>Sprint (6)</b>										
2477	BornAgain	Urgent	Bug		Core: FF: support rotation of Box around x or y axis	wuttke		0	22 Sep 2020 14:21	wuttke
1082	BornAgain	High	Refactoring		GUI: provide undo/redo functionality	pospelov	v2.0	0	12 May 2015 16:07	pospelov
2255	BornAgain	High	Bug		Parameterization: incompatible fit parameters handled badly, cause program crash during fitting			0	11 Dec 2018 16:28	Uliana_Koneva
2402	BornAgain	High	Bug		Core math: Crash on reflectometry "link instrument" for negative values of Q data			0	05 Sep 2019 15:41	juan
1990	BornAgain	Normal	Refactoring		Code organisation: Remove duplicate type definitions in BornAgainNamespace.h and item_constants.h	wuttke		0	28 Feb 2018 14:08	herck
1102	BornAgain	Normal	Documentation		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
<b>In Progress (3)</b>										
983	BornAgain	High	Documentation		Physics manual: add chapter on beam propagation in stratified samples	wuttke		0	20 Feb 2015 11:24	wuttke
2419	BornAgain	Normal	Envelope task		Polarized - summary of tasks	rbeerwerth		0	20 Nov 2019 13:54	dmitry
330	BornAgain	Normal	Documentation		Core: beam propagation: take care of kz=0 case appropriately	rbeerwerth	v1.18	0	17 Jul 2013 11:19	herck
<b>Backlog (185)</b>										
2357	BornAgain	Urgent	Feature		Units: reflectometry units should be angstroms.			100	14 May 2019 11:57	juan
2457	BornAgain	High	Refactoring		Code organisation: facilitate sample model API changes	wuttke	v.1.19	0	18 May 2020 14:38	wuttke
2471	BornAgain	High	Refactoring		Core: FF: Revise particle rotation axis (at bottom vs through center)	wuttke		0	01 Jul 2020 19:09	wuttke
1141	BornAgain	High	Documentation		Manual: describe multi layers			30	20 Jul 2015 09:24	pospelov
1612	BornAgain	High	Feature		Core: beam propagation: add forward scattering amplitudes to specular amplitude			0	06 Oct 2016 11:26	herck
1677	BornAgain	High	Feature		Core: roughness: Independent roughness cross-correlation for disjoint sets of interfaces			0	25 Nov 2016 11:33	ganeva
2254	BornAgain	High	Feature		Units: Proposal about uniform units of measurement			0	10 Dec 2018 17:29	Uliana_Koneva

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2320	BornAgain	High	Feature		GUI: project back compatibility: save project should save also the Python script			0	05 Mar 2019 09:51	ganeva
2415	BornAgain	High	Feature		Polarized: validate reflectivity against other software	rbeerwerth		0	20 Nov 2019 10:36	dmitry
1781	BornAgain	High	Bug		Installer: Linux: Fix thisbornagain.sh to correctly drop from path previous BornAgain installation.			0	22 Mar 2017 14:59	pospelov
2025	BornAgain	High	Bug		Core: slicing: makes mesocrystal simulation very slow			0	03 Apr 2018 16:48	pospelov
2037	BornAgain	High	Bug		Fit: Unrealistically high error estimate (while fitting specular signal)			0	16 Apr 2018 12:41	dmitry
2288	BornAgain	High	Bug		Core: inter-particle: Remove numerical instability at q=0 for 2d paracrystal			0	15 Jan 2019 15:37	herck
1175	BornAgain	Normal	Configuration	Feature #1363: == Unix build ==	Installer: Linux: Provide official debian package			0	03 Sep 2015 09:59	ganeva
2284	BornAgain	Normal	Configuration		Installer: Windows: python error when trying to plot.			0	14 Jan 2019 16:19	juan
2133	BornAgain	Normal	Testing		Core: slicing: ensure functional test coverage of sliced particles			0	31 Jul 2018 13:22	herck
2309	BornAgain	Normal	Testing		Core: slicing: Provide more test coverage of multilayer slicing machinery			0	28 Feb 2019 09:52	herck
409	BornAgain	Normal	Refactoring	Feature #1712: == Code maintenance ==	Core: remove duplicate functions "evaluate" and "evaluatePol"			0	25 Sep 2013 11:12	herck
1060	BornAgain	Normal	Refactoring		Core: refactor SSCA according to manual			0	29 Apr 2015 17:33	wuttke
1493	BornAgain	Normal	Refactoring	Feature #964: === GUI ===	GUI: Implement tranform from domain for fitting objects			0	01 Jul 2016 13:50	pospelov
1494	BornAgain	Normal	Refactoring	Feature #964: === GUI ===	GUI: Implement export of fitting setup to python script.			0	01 Jul 2016 13:50	pospelov
1495	BornAgain	Normal	Refactoring	Feature #964: === GUI ===	GUI: extend GUISuite functional test machinery with standard fits			0	01 Jul 2016 13:50	pospelov
1569	BornAgain	Normal	Refactoring		Core: FF: API: rename hard particle form factors			0	03 Aug 2016 13:53	wuttke
1685	BornAgain	Normal	Refactoring	Feature #1572: == Python ==	PythonAPI: Only expose classes/functions that users might need			0	28 Nov 2016 14:31	wuttke
1766	BornAgain	Normal	Refactoring		Core: FF: Replace all form factors in sample creation by shapes	wuttke		0	16 Feb 2017 13:58	herck
1775	BornAgain	Normal	Refactoring		Parameterization: Check pyramid like shapes for angles > 90 degrees			0	08 Mar 2017 14:13	herck
1847	BornAgain	Normal	Refactoring		Test: let IFactory support variadic constructor parameters			0	29 Sep 2017 16:30	pospelov
1918	BornAgain	Normal	Refactoring		Core API: review IHistogram class family			0	06 Dec 2017 09:55	dmitry

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2011	BornAgain	Normal	Refactoring		PythonAPI: improve access to the simulation results			0	14 Mar 2018 17:44	ganeva
2050	BornAgain	Normal	Refactoring		GUI: SessionModel::copyItem: remove dependence on XML serialization			0	14 May 2018 18:24	herck
2093	BornAgain	Normal	Refactoring		GUI: plots: create prototype of universal 1D, 2D plot machinery			0	20 Jun 2018 09:26	pospelov
2130	BornAgain	Normal	Refactoring		Core API: Reduce the number of possible ways to access data through SimulationResult			0	30 Jul 2018 16:42	dmitry
2234	BornAgain	Normal	Refactoring		Fit: Simplify minimizer constructor			0	29 Nov 2018 09:59	pospelov
2240	BornAgain	Normal	Refactoring		GUI: InstrumentItem: refactor unit convertor construction			0	03 Dec 2018 14:12	pospelov
2241	BornAgain	Normal	Refactoring		GUI: Replace DoubleEditor and ScientificDoublePropertyEditor with ScientificSpinBox			0	05 Dec 2018 13:23	dmitry
2242	BornAgain	Normal	Refactoring		Parameterization: Provide common interface of handling mean/center/median value in distributions			0	05 Dec 2018 13:45	dmitry
2410	BornAgain	Normal	Refactoring		Core: beam propagation: Speeding up computations on samples with a large number of layers	rbeerwerth		0	21 Oct 2019 10:23	dmitry
2421	BornAgain	Normal	Refactoring		Core: instrument: Remove remnants of old-style divergence definition in reflectometry			0	20 Nov 2019 17:16	dmitry
2476	BornAgain	Normal	Refactoring		Fit: catalogize algorithms, not minimizers			0	14 Jul 2020 16:45	wuttke
1014	BornAgain	Normal	Documentation		Parameterization: document simulation with distributed parameters			0	19 Mar 2015 10:00	pospelov
1971	BornAgain	Normal	Documentation		Fit: Provide description of fitting engines' options			0	21 Feb 2018 11:26	dmitry
2013	BornAgain	Normal	Documentation		Example to create: project file with 'real' data and web tutorial using this			0	16 Mar 2018 10:11	herck
2087	BornAgain	Normal	Documentation		Website: provide "description" and "keywords" meta information			0	14 Jun 2018 17:35	pospelov
2185	BornAgain	Normal	Documentation		Installer: MacOS: Explain peculiarities of matplotlib usage			0	04 Oct 2018 11:45	pospelov
2349	BornAgain	Normal	Documentation		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
2393	BornAgain	Normal	Documentation		Core: inter-particle: improve example: Hexagonal lattices with basis: choose other correlation length, and explain things			0	31 Jul 2019 15:08	wuttke
2398	BornAgain	Normal	Documentation		Example to create: for batch processing			0	05 Aug 2019 11:34	pospelov
2399	BornAgain	Normal	Documentation		Example to create: OpenMPI processing			0	05 Aug 2019 11:35	pospelov
2429	BornAgain	Normal	Documentation		Website: add Hugo option to mark tutorials with "Available in Release n.nn"			0	06 Apr 2020 10:36	pospelov
12	BornAgain	Normal	Feature		Core: SLD: Calculation of refractive index for x-rays and neutrons from database			0	18 Apr 2012 11:25	pospelov

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697	BornAgain	Normal	Feature		Core: support Monte Carlo integration over all incoherent parameters			0	04 Jun 2014 12:44	herck
907	BornAgain	Normal	Feature		Example to create: MesoCrystal tutorial			0	27 Nov 2014 15:59	pospelov
1068	BornAgain	Normal	Feature		GUI: provide SLD profile view			100	08 May 2015 19:55	a.glavic
1214	BornAgain	Normal	Feature		Core: roughness: add real-space visualization			0	19 Oct 2015 13:03	pospelov
1229	BornAgain	Normal	Feature		Installer: MacOS: create BornAgain "tap" and "formula" for Homebrew			0	02 Nov 2015 16:54	pospelov
1666	BornAgain	Normal	Feature		PythonAPI: Constructor of Histogram2D should accept also numpy arrays with dtype=int			0	24 Nov 2016 09:57	ganeva
1698	BornAgain	Normal	Feature	Feature #964: === GUI ===	GUI: save/load detector mask			0	01 Dec 2016 14:07	wuttke
1715	BornAgain	Normal	Feature		Core API: start sample construction with SlabSample() or FilmSample()			0	02 Dec 2016 14:02	wuttke
1751	BornAgain	Normal	Feature		CMake: warn if there are remnants of other BornAgain installation			0	19 Jan 2017 10:53	pospelov
1754	BornAgain	Normal	Feature		Fit: investigate log-likelihood, Poisson statistics			0	19 Jan 2017 12:30	pospelov
1817	BornAgain	Normal	Feature		GUI: provide an easy way of importing instrument definitions and real data into the GUI			0	12 Jun 2017 14:57	herck
1864	BornAgain	Normal	Feature		GUI: About: provide option to export citation			0	20 Oct 2017 11:58	ganeva
1927	BornAgain	Normal	Feature		Core: inter-particle: InterferenceFunction2DParaCrystal::interference1D is slow			0	18 Dec 2017 14:58	pospelov
1972	BornAgain	Normal	Feature		GUI: provide beam divergence for OffSpec instrument			0	21 Feb 2018 11:30	pospelov
1988	BornAgain	Normal	Feature		Fit: Propagate best fit parameter values to parameter tree and fit parameter list			0	28 Feb 2018 11:53	herck
1994	BornAgain	Normal	Feature		Units: Enable automatic conversion of parameter values/limits between GUI and Core (enabling angle fit parameters)			0	01 Mar 2018 16:12	herck
2000	BornAgain	Normal	Feature		CMake: Linux installation: use rpath for our own binaries			0	07 Mar 2018 13:16	pospelov
2058	BornAgain	Normal	Feature		Core: compute Poisson error estimate for experimental real data			0	24 May 2018 17:17	dmitry
2066	BornAgain	Normal	Feature		Installer: MacOS: cleanup dmg installer from unnecessary Qt libraries			0	30 May 2018 17:53	pospelov
2067	BornAgain	Normal	Feature		Python utils: enhance functionality for reflectometry plotting			0	03 Jun 2018 23:57	dmitry
2085	BornAgain	Normal	Feature		3DView: move time consuming operations in a thread			0	14 Jun 2018 14:24	pospelov
2086	BornAgain	Normal	Feature		GUI: introduce extended distribution editor for ParticleDistributionItem			0	14 Jun 2018 14:25	pospelov
2094	BornAgain	Normal	Feature		Polarized: allow magnetic scattering for all IComputations	rbeerwerth		0	20 Jun 2018 11:54	herck

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2112	BornAgain	Normal	Feature		Code dependencies: get rid of boost::program_options			0	12 Jul 2018 11:29	pospelov
2114	BornAgain	Normal	Feature		Code dependencies: get rid of boost::iostreams			0	12 Jul 2018 11:29	pospelov
2115	BornAgain	Normal	Feature		Code dependencies: replace boost::filesystem by C++17 std::			0	12 Jul 2018 11:30	pospelov
2157	BornAgain	Normal	Feature		Example to create: silver behenate standard sample			0	19 Sep 2018 13:35	pospelov
2159	BornAgain	Normal	Feature		3DView: improve appearance when particle size is large			0	19 Sep 2018 15:11	pospelov
2191	BornAgain	Normal	Feature		Example to create: Lamellar structure			0	08 Oct 2018 11:14	pospelov
2197	BornAgain	Normal	Feature		3DView: provide default selection of MultiLayer on 3DView open			0	12 Oct 2018 16:39	pospelov
2202	BornAgain	Normal	Feature		GUI highdpi: replace remaining png icons with their svg versions			0	18 Oct 2018 13:34	pospelov
2203	BornAgain	Normal	Feature		GUI highdpi: refactor FancyTabWidget to account for high dpi monitors			0	18 Oct 2018 13:35	pospelov
2204	BornAgain	Normal	Feature		GUI highdpi: switch mainwindow to highdpi mode on Linux by default			0	18 Oct 2018 13:39	pospelov
2209	BornAgain	Normal	Feature		Example to create: Fit using bumps minimizer			0	24 Oct 2018 17:47	pospelov
2226	BornAgain	Normal	Feature		GUI highdpi: provide common access to scale factor			0	16 Nov 2018 12:50	pospelov
2227	BornAgain	Normal	Feature		GUI highdpi: fix Windows scaling issues			0	16 Nov 2018 12:50	pospelov
2232	BornAgain	Normal	Feature		GUI: provide units in tooltips			0	23 Nov 2018 13:31	ganeva
2263	BornAgain	Normal	Feature		GUI: provide immediate canceling of running job			0	19 Dec 2018 17:50	pospelov
2264	BornAgain	Normal	Feature		GUI: property panel of intensity data is too narrow on some systems			0	19 Dec 2018 17:54	pospelov
2266	BornAgain	Normal	Feature		GUI: set detector analyzer direction automatically to beam polarization (with the option of changing it manually)			0	20 Dec 2018 16:56	herck
2281	BornAgain	Normal	Feature		GUI: provide pan mode for camera in 3D view			0	11 Jan 2019 11:26	pospelov
2293	BornAgain	Normal	Feature		3DView: provide mesocrystals in particle distribution			0	31 Jan 2019 12:15	pospelov
2298	BornAgain	Normal	Feature		Artwork: provide icon for Hard Disk Percus-Yevick interference function in GUI			0	08 Feb 2019 11:27	herck
2299	BornAgain	Normal	Feature		Core: FF: Investigate form factor of a cylinder sector			0	11 Feb 2019 10:13	herck
2300	BornAgain	Normal	Feature		PythonAPI: provide beam divergence for OffSpecular simulation			0	12 Feb 2019 09:40	pospelov
2313	BornAgain	Normal	Feature		GUI: adjust step value in spin box for wavelength (instrument view)			0	04 Mar 2019 11:52	dmitry
2334	BornAgain	Normal	Feature		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	BornAgain	Normal	Feature		Fit: Non-obvious way of constructing custom evaluate function for FitObjective			0	03 Apr 2019 14:02	dmitry

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2340	BornAgain	Normal	Feature		Fit: facilitate switch between minimizers (problem with constraints)			0	16 Apr 2019 18:39	wuttke
2372	BornAgain	Normal	Feature		Core: import 2D SANS data			0	28 May 2019 18:25	juan
2394	BornAgain	Normal	Feature		Core: inter-particle: finite-lattice shape must not be defined in multiples of base vectors			0	31 Jul 2019 16:26	wuttke
2397	BornAgain	Normal	Feature		Example to create: for superlattice			0	02 Aug 2019 16:25	pospelov
2406	BornAgain	Normal	Feature		Parameterization: Provide ParticleDistribution with uncoupled parameters			0	24 Sep 2019 12:59	pospelov
2414	BornAgain	Normal	Feature		Polarized: enable specular signal for polarized GISAS	rbeerwerth		0	20 Nov 2019 10:32	dmitry
2417	BornAgain	Normal	Feature		Polarized: support z-component of magnetic field			0	20 Nov 2019 12:47	dmitry
2418	BornAgain	Normal	Feature		Polarized: support polarized reflectivity in GUI			0	20 Nov 2019 13:52	dmitry
2420	BornAgain	Normal	Feature		TO DISCUSS: Switch back to previous 1D (interactive) data loader			0	20 Nov 2019 16:41	dmitry
2422	BornAgain	Normal	Feature		Core: add free-form resolution for reflectometry			0	21 Nov 2019 13:37	dmitry
2423	BornAgain	Normal	Feature		Core: add posterior normalization for reflectivity curves			0	21 Nov 2019 14:19	dmitry
2425	BornAgain	Normal	Feature		Core: add function interpolator, to get steep minima in x-y plots right	wuttke		0	29 Nov 2019 11:18	wuttke
2433	BornAgain	Normal	Feature		Parameterization: investigate multi-threaded performance in the case of parameter distribution.			0	06 Apr 2020 11:00	pospelov
2436	BornAgain	Normal	Feature		Core API: MultiLayer: redesign to support repetitions.			0	06 Apr 2020 11:36	pospelov
2464	BornAgain	Normal	Feature		Artwork (GUI+Doc): provide CantellatedCube (blue 3d view and grey 2d cuts)			0	15 Jun 2020 15:03	wuttke
2467	BornAgain	Normal	Feature		PythonAPI: improve use of keyword arguments; also improve documentation		v2.0	0	25 Jun 2020 15:43	wuttke
2468	BornAgain	Normal	Feature		Units: improve options in PythonAPI		v2.0	0	25 Jun 2020 15:45	wuttke
2469	BornAgain	Normal	Feature		PythonAPI: make 'result' more pythonic		v2.0	0	25 Jun 2020 15:47	wuttke
1416	BornAgain	Normal	Bug		Core: FF: form factors with numeric integration fail for small and for large q			0	25 Apr 2016 09:09	wuttke
1984	BornAgain	Normal	Bug		GUI: collaps/expand arrows on InstrumentView are too big on Mac			0	27 Feb 2018 12:19	pospelov
2099	BornAgain	Normal	Bug		GUI: relative difference item in fit comparison requires revision			0	22 Jun 2018 12:55	dmitry
2180	BornAgain	Normal	Bug		GUI autosave: always use local folder for autosave functionality (also when project lives in the cloud)			0	02 Oct 2018 13:34	Uliana_Koneva
2230	BornAgain	Normal	Bug		GUI on Cinnamon: Window control buttons are missed			0	19 Nov 2018 14:21	ganeva
2269	BornAgain	Normal	Bug		GUI on Windows: import python script fails with anaconda python in path			0	21 Dec 2018 11:22	dmitry

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2280	BornAgain	Normal	Bug		GUI: consecutive import of sample from several python scripts is affected by previous imports			0	11 Jan 2019 10:36	pospelov
2323	BornAgain	Normal	Bug		GUI: plots: cannot set a horizontal/vertical projection when switching from color map to projections view			0	12 Mar 2019 15:57	dmitry
2347	BornAgain	Normal	Bug		GUI crashes with masks and 90deg beam inclination			0	09 May 2019 17:12	herck
2348	BornAgain	Normal	Bug		Example: In python examples, enforce color coding of our choice			0	10 May 2019 14:44	wuttke
2356	BornAgain	Normal	Bug		Parameterization: Undefined state in Instrument > Polarization analysis > Analyzer orientation and efficiency			0	13 May 2019 18:33	wuttke
2403	BornAgain	Normal	Bug		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
2409	BornAgain	Normal	Bug		GUI: "save image" button from 3D viewer creates psychedelic images			0	17 Oct 2019 10:47	ganeva
2416	BornAgain	Normal	Bug		Polarized: Fix treatment of imperfect analyzers	rbeerwerth		0	20 Nov 2019 11:45	dmitry
1615	BornAgain	Low	Configuration	Feature #418: === Configuration & Build ===	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
1718	BornAgain	Low	Configuration	Feature #1361: == Win build ==	Installer: Windows: Provide alternative installer with debug symbols			0	02 Dec 2016 15:15	pospelov
2470	BornAgain	Low	Configuration		Installer: Windows: link GSL dynamically			0	30 Jun 2020 17:12	wuttke
2020	BornAgain	Low	Testing		Test: add functional test of reproducibility of simulation runs			0	21 Mar 2018 13:57	dmitry
1468	BornAgain	Low	Refactoring	Feature #1712: == Code maintenance ==	Code organization: Migrate to stdexcept			0	16 Jun 2016 10:17	wuttke
1578	BornAgain	Low	Refactoring		Core: FF: reimplement ripples as Cartesian product Profile * Decay			0	08 Aug 2016 16:01	wuttke
1893	BornAgain	Low	Refactoring		GUI: provide uniform splitters where possible			0	14 Nov 2017 11:43	pospelov
2109	BornAgain	Low	Refactoring		GUI: plots: refactor 1D and 2D plotting			0	12 Jul 2018 09:57	pospelov
2120	BornAgain	Low	Refactoring		Core: inter-particle: Let decay functions calculate the minimum and maximum values of q to use			0	24 Jul 2018 12:19	herck
2211	BornAgain	Low	Refactoring		GUI: Fit view: Refactor fit progress/fit comparison widgets			0	26 Oct 2018 12:41	pospelov
2221	BornAgain	Low	Refactoring		Installer: Windows: get libraries from Nuget?			0	13 Nov 2018 17:35	pospelov
2390	BornAgain	Low	Refactoring		Core: Intensity/ArrayUtils.h: CreateDataImpl: Revise and document			0	31 Jul 2019 11:36	wuttke
2391	BornAgain	Low	Refactoring		Code organization: Move builder classes out of Core or to dedicated namespace			0	31 Jul 2019 12:13	wuttke

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2072	BornAgain	Low	Documentation		Artwork: provide favicon for new website			0	12 Jun 2018 16:11	pospelov
31	BornAgain	Low	Feature		Core: beam propagation: Implement x-ray polarization factor			0	23 May 2012 12:57	herck
981	BornAgain	Low	Feature		GUI: Real-time activity: update refractive index when varying wavelength			0	19 Feb 2015 17:46	ganeva
1415	BornAgain	Low	Feature		Parameterization: onChange() should invalidate cache, and not immediately execute precompute()			0	22 Apr 2016 09:17	wuttke
1504	BornAgain	Low	Feature	Feature #964: === GUI ===	GUI: support standard control keys			0	12 Jul 2016 09:30	wuttke
1506	BornAgain	Low	Feature	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	Low	Feature		GUI: Sample builder & editor: SHIFT+LeftClick should add to selection			0	12 Jul 2016 11:34	wuttke
1568	BornAgain	Low	Feature		Core: FF: Implement TruncatedEllipsoid to replace HemiEllipsoid	wuttke		0	03 Aug 2016 13:25	wuttke
1704	BornAgain	Low	Feature		Fit: Revise chi squared module			0	01 Dec 2016 14:38	wuttke
1755	BornAgain	Low	Feature		GUI: provide additional command line parameter to open existing projects			0	19 Jan 2017 12:32	pospelov
1773	BornAgain	Low	Feature		GUI: implement a ruler for ProjectionsEditor			0	24 Feb 2017 14:33	pospelov
1928	BornAgain	Low	Feature		GUI: SpecularSimulation: progress counter broken			0	22 Dec 2017 14:22	dmitry
1992	BornAgain	Low	Feature		GUI: RealTimeView: revise			0	28 Feb 2018 16:18	pospelov
1996	BornAgain	Low	Feature		GUI: About: print build time			0	02 Mar 2018 11:16	pospelov
2056	BornAgain	Low	Feature		GUI: Restore MaterialPropertyController			0	24 May 2018 12:41	pospelov
2160	BornAgain	Low	Feature		GUI: consider mask editor to be invoked from instrument view			0	19 Sep 2018 16:06	pospelov
2164	BornAgain	Low	Feature		Core: import: support edf format for scattering data			0	20 Sep 2018 15:06	herck
2205	BornAgain	Low	Feature		Fit: Replace difference plot in fitobserver with the true metric used for minimization			0	18 Oct 2018 13:47	herck
2206	BornAgain	Low	Feature		GUI: restore broken drag-and-drop in the ItemTreeView			0	18 Oct 2018 15:48	pospelov
2215	BornAgain	Low	Feature		Core: inter-particle: implement other variant for 2d lattice interference function			0	06 Nov 2018 09:48	herck
2238	BornAgain	Low	Feature		GUI: Import tab: Get rid of "Linked_instrument"			0	30 Nov 2018 19:40	dmitry
2244	BornAgain	Low	Feature		PythonAPI: support DepthProbeInstrument (currently GUI only)			0	06 Dec 2018 10:55	pospelov
2261	BornAgain	Low	Feature		GUI: WelcomeView: Provide tooltip for project file name			0	19 Dec 2018 08:22	pospelov
2279	BornAgain	Low	Feature		Core: allow the user to select the contributions to the scattering intensity (diffuse, coherent)			0	11 Jan 2019 10:21	herck



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2341	BornAgain	Low	Feature		GUI: personal material library			0	18 Apr 2019 13:53	ganeva
2350	BornAgain	Low	Feature		GUI: Material editor: Start without scroll bars, and automatically center dropped sample models			0	13 May 2019 11:16	wuttke
2353	BornAgain	Low	Feature		GUI: Add "View" to mainwindow menu bar, and replace right-click menu with something context specific.			0	13 May 2019 13:02	wuttke
2366	BornAgain	Low	Feature		GUI: move Import1D/2D buttons to "File" menu			0	17 May 2019 14:38	wuttke
2367	BornAgain	Low	Feature		GUI: Sample builder: "Layers" section incorrectly suggests choice between "MultiLayer" and "Layer"			0	17 May 2019 14:55	wuttke
2368	BornAgain	Low	Feature		GUI: Simulation tab: decouple setup editor from action buttons			0	17 May 2019 15:26	wuttke
2378	BornAgain	Low	Feature		Fit: enable new Minuit2 algorithm to Core and GUI			0	08 Jul 2019 14:59	pospelov
2383	BornAgain	Low	Feature		Fit: consider exclusion of masked areas from the data provided by FitObjective			0	30 Jul 2019 16:04	pospelov
2407	BornAgain	Low	Feature		GUI: Add q-space coordinates for Off-Specular simulations results			0	25 Sep 2019 09:20	juan
2411	BornAgain	Low	Feature		GUI: Fitting Activity View - a couple of improvements			0	31 Oct 2019 09:51	juan
2064	BornAgain	Low	Bug		GUI: plots: weird behaviour when equalizing plots			0	29 May 2018 14:24	dmitry
2090	BornAgain	Low	Bug		GUI: Fitting history is wiped out after switching to another view and back			0	15 Jun 2018 19:41	dmitry
2248	BornAgain	Low	Bug		GUI: Material editor: problems on windows			0	07 Dec 2018 12:50	dmitry
2251	BornAgain	Low	Bug		GUI: plots: The ordinate (y) scale of graph "Iteration" incorrect display.			0	10 Dec 2018 15:27	Uliana_Koneva
2253	BornAgain	Low	Bug		GUI: The "Fit parameters" window is incorrectly displayed			0	10 Dec 2018 16:57	Uliana_Koneva
2327	BornAgain	Low	Bug		GUI: cannot delete several experimental datasets at once			0	15 Mar 2019 09:50	dmitry
2363	BornAgain	Low	Bug		Units: GUI overrides user choice - specifically, the detector coordinate unit			0	17 May 2019 13:52	wuttke
2364	BornAgain	Low	Bug		GUI: feedback on running background job is out of field of vision			0	17 May 2019 14:00	wuttke

### Long Term Idea (8)

2376	BornAgain	Normal	Refactoring		Fit: Look for an alternative to root minimizers			0	05 Jun 2019 13:14	dmitry
1032	BornAgain	Normal	Feature		Core: Rotation of inter-particle structures			0	07 Apr 2015 23:29	a.glavic
1540	BornAgain	Normal	Feature		Core: support incoherent z-distribution of particles inside layer			0	27 Jul 2016 17:51	herck
1722	BornAgain	Normal	Feature		Core: Beyond DWBA: self-absorption correction			0	05 Dec 2016 09:33	wuttke
587	BornAgain	Low	Feature		Fit: investigate objective function alternatives			0	11 Feb 2014 10:11	pospelov

#	Project	Priority	Tracker	Parent task	Subject	Assignee	Target version	% Done	Created	Author
1805	BornAgain	Low	Feature		Code dependencies: investigate usage of Python packages from C++ (fabio, periodictable)			0	11 May 2017 11:53	pospelov
2274	BornAgain	Low	Feature		Code organisation: investigate Swig replacement			0	09 Jan 2019 11:34	pospelov
2360	BornAgain	Low	Feature		3DView: Provide button to save video			0	14 May 2019 17:19	juan