

## BornAgain - by priority

#	Tracker	Status	Priority	Subject	Assignee	Target version	Author	Updated
2516	Refactoring	New	Normal	Core: FF: API: forbid unphysical rotations			wuttke	16 Jan 2021 21:50
2515	Feature	New	Normal	Fit: reimplement Scipy.DE in C++			wuttke	18 Dec 2020 17:36
2514	Documentation	New	Normal	Webdocs: rem to px conversion fails under Chromium			wuttke	11 Dec 2020 15:51
2513	Bug	New	Normal	Numerics: Restore Interference2DParaCrystal.py under Windows (GSL Gauss-Kronrod fails)			wuttke	08 Dec 2020 16:40
2512	Documentation	Sprint	Urgent	Webdocs: Restore preview images			wuttke	08 Dec 2020 16:40
2509	Configuration	New	Normal	Update 3rd-party code from ROOT			wuttke	14 Dec 2020 12:35
2508	Bug	Sprint	Normal	use of map(Q->R) in reflectometry input precludes duplicate Q entries			wuttke	02 Dec 2020 22:07
2506	Refactoring	New	High	Core API: counterintuitive order of arguments in c'tor ParticleCoreShell(const Particle& shell, const Particle& core)			wuttke	28 Nov 2020 17:37
2504	Bug	New	Normal	GUI: Mouse cursor shape stays "left-right arrow" after sliding over splitter			mpuchner	27 Nov 2020 12:05
2501	Bug	New	Normal	GUI: The "more commands" button on too narrow toolbars is not working			mpuchner	27 Nov 2020 11:44
2500	Feature	Sprint	Normal	GUI: After inserting multiple items to the sample editor they should all be selected			mpuchner	15 Dec 2020 08:47
2497	Bug	New	Normal	Sample: Material profile support for Nevot-Croce/Gaussian Roughness			rbeerwerth	27 Nov 2020 10:33
2494	Refactoring	New	High	PythonAPI: rename or wrap kvector_t, or accept Python list in its place			wuttke	24 Nov 2020 17:16
2492	Refactoring	New	Normal	Core: make Lattice2D and Lattice3D APIs more similar			wuttke	23 Nov 2020 22:24
2491	Refactoring	New	Normal	Core: simplify ZLimits			wuttke	23 Nov 2020 22:22
2490	Documentation	New	Normal	Example to create: SAS			wuttke	23 Nov 2020 22:21
2489	Bug	New	Normal	CI: examples that create more than one image are not covered by update mechanism			wuttke	23 Nov 2020 17:00
2488	Refactoring	New	High	PolarizedSpinAsymmetryFit.py: don't save to pdf	rbeerwerth		wuttke	30 Nov 2020 11:04
2487	Configuration	Waiting	Low	Code organisation: depend on external qcustomplot, rm from ThirdParty (WAITING for homebrew)			wuttke	01 Dec 2020 22:18
2486	Bug	New	Normal	GUI: update, or remove, splash screen as claim "making DWBA manageable" is too GISAS specific			wuttke	23 Nov 2020 17:11
2485	Refactoring	New	Normal	Code orgnization: unify random number generators			wuttke	23 Nov 2020 17:11
2484	Bug	New	Normal	Core: unify footprint correction			wuttke	02 Nov 2020 20:32
2482	Refactoring	Sprint	High	ThirdParty: qt-manhattan-style REMOVE			wuttke	01 Dec 2020 22:31
2481	Refactoring	New	High	Core: unify SimulationElement and SpecularSimulationElement			wuttke	02 Nov 2020 13:48
2480	Configuration	New	Normal	CI: automatic tests of fitting examples			wuttke	28 Oct 2020 14:22
2479	Refactoring	New	Normal	GUI: unify warnings			wuttke	28 Oct 2020 09:12
2478	Bug	New	Normal	Windows: restore error message when ASSERT fails			wuttke	25 Sep 2020 10:57

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2477	Bug	Backlog	High	Core: FF: support rotation of Box around x or y axis	wuttke		wuttke	01 Dec 2020 22:21
2476	Refactoring	Backlog	Normal	Fit: catalogize algorithms, not minimizers			wuttke	19 Sep 2020 10:13
2471	Refactoring	Backlog	High	Core: FF: Revise particle rotation axis (at bottom vs through center)	wuttke		wuttke	18 Sep 2020 20:19
2470	Configuration	Waiting	Low	Installer: Windows: link GSL dynamically			wuttke	02 Nov 2020 13:49
2469	Feature	Backlog	Normal	PythonAPI: make 'result' more pythonic		v2.0	wuttke	18 Sep 2020 19:47
2468	Feature	Backlog	Normal	Units: improve options in PythonAPI		v2.0	wuttke	19 Sep 2020 09:43
2467	Feature	Backlog	Normal	PythonAPI: improve use of keyword arguments; also improve documentation		v2.0	wuttke	18 Sep 2020 19:51
2464	Feature	Backlog	Normal	Artwork (GUI+Doc): provide CantellatedCube (blue 3d view and grey 2d cuts)			wuttke	18 Sep 2020 19:24
2462	Refactoring	New	Normal	Polarized: Split beam propagation calculations into a computation and measurement step	rbeerwerth		rbeerwerth	28 Sep 2020 11:19
2436	Feature	Backlog	Normal	Core API: MultiLayer: redesign to support repetitions.			pospelov	18 Sep 2020 23:29
2433	Feature	Backlog	Normal	Parameterization: investigate multi-threaded performance in the case of parameter distribution.			pospelov	18 Sep 2020 23:12
2429	Documentation	Backlog	Normal	Website: add Hugo option to mark tutorials with "Available in Release n.nn"			pospelov	17 Jun 2020 12:57
2425	Feature	Backlog	Normal	Core: add function interpolator, to get steep minima in x-y plots right	wuttke		wuttke	18 Sep 2020 18:44
2422	Feature	Backlog	Normal	Core: add free-form resolution for reflectometry			dmitry	18 Sep 2020 23:49
2421	Refactoring	Backlog	Normal	Core: instrument: Remove remnants of old-style divergence definition in reflectometry			dmitry	18 Sep 2020 21:54
2420	Feature	Backlog	Normal	TO DISCUSS: Switch back to previous 1D (interactive) data loader			dmitry	18 Sep 2020 20:01
2418	Feature	Backlog	Normal	Polarized: support polarized reflectivity in GUI			dmitry	19 Sep 2020 09:09
2417	Feature	Backlog	Normal	Polarized: support z-component of magnetic field			dmitry	19 Sep 2020 09:08
2415	Feature	Backlog	High	Polarized: validate reflectivity against other software	rbeerwerth		dmitry	19 Sep 2020 09:08
2414	Feature	Backlog	Normal	Polarized: enable specular signal for polarized GISAS	rbeerwerth		dmitry	28 Sep 2020 11:25
2411	Feature	Backlog	Low	GUI: Fitting Activity View - a couple of improvements			juan	18 Sep 2020 15:26
2410	Refactoring	Backlog	Normal	Core: beam propagation: Speeding up computations on samples with a large number of layers	rbeerwerth		dmitry	28 Sep 2020 11:23
2409	Bug	Backlog	Normal	GUI: "save image" button from 3D viewer creates psychedelic images			ganeva	17 Jun 2020 12:57
2407	Feature	Backlog	Low	GUI: Add q-space coordinates for Off-Specular simulations results			juan	18 Sep 2020 15:26
2406	Feature	Backlog	Normal	Parameterization: Provide ParticleDistribution with uncoupled parameters			pospelov	18 Sep 2020 22:36
2403	Bug	Backlog	Normal	Units: upon GUI import, int.gz file with reflectometry data shows Q units but the ticks correspond to bins			dmitry	19 Sep 2020 09:44
2402	Bug	Sprint	High	Core math: Crash on reflectometry "link instrument" for negative values of Q data			juan	18 Sep 2020 15:28
2399	Documentation	Backlog	Normal	Example to create: OpenMPI processing			pospelov	18 Sep 2020 15:58
2398	Documentation	Backlog	Normal	Example to create: for batch processing			pospelov	18 Sep 2020 15:58

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2397	Feature	Backlog	Normal	Example to create: for superlattice			pospelov	18 Sep 2020 15:58
2394	Feature	Backlog	Normal	Core: inter-particle: finite-lattice shape must not be defined in multiples of base vectors			wuttke	19 Sep 2020 10:13
2393	Documentation	Backlog	Normal	Core: inter-particle: improve example: Hexagonal lattices with basis: choose other correlation length, and explain things			wuttke	19 Sep 2020 10:20
2390	Refactoring	Backlog	Low	Core: Intensity/ArrayUtils.h: CreateDataImpl: Revise and document			wuttke	18 Sep 2020 19:40
2383	Feature	Backlog	Low	Fit: consider exclusion of masked areas from the data provided by FitObjective			pospelov	18 Sep 2020 23:42
2378	Feature	Backlog	Low	Fit: enable new Minuit2 algorithm to Core and GUI			pospelov	18 Sep 2020 23:26
2376	Refactoring	Long Term Idea	Normal	Fit: Look for an alternative to root minimizers			dmitry	18 Sep 2020 23:01
2372	Feature	Backlog	Normal	Core: import 2D SANS data			juan	18 Sep 2020 22:53
2368	Feature	Backlog	Low	GUI: Simulation tab: decouple setup editor from action buttons			wuttke	18 Sep 2020 15:29
2367	Feature	Backlog	Low	GUI: Sample builder: "Layers" section incorrectly suggests choice between "MultiLayer" and "Layer"			wuttke	18 Sep 2020 18:54
2366	Feature	Backlog	Low	GUI: move Import1D/2D buttons to "File" menu			wuttke	18 Sep 2020 15:49
2364	Bug	Backlog	Low	GUI: feedback on running background job is out of field of vision			wuttke	18 Sep 2020 15:50
2363	Bug	Backlog	Low	Units: GUI overrides user choice - specifically, the detector coordinate unit			wuttke	19 Sep 2020 09:42
2360	Feature	Long Term Idea	Low	3DView: Provide button to save video			juan	18 Sep 2020 16:05
2357	Feature	Backlog	High	Units: reflectometry units should be angstroms.			juan	01 Dec 2020 22:22
2356	Bug	Backlog	Normal	Parameterization: Undefined state in Instrument > Polarization analysis > Analyzer orientation and efficiency			wuttke	18 Sep 2020 19:29
2353	Feature	Backlog	Low	GUI: Add "View" to mainwindow menu bar, and replace right-click menu with something context specific.			wuttke	16 Dec 2020 16:05
2350	Feature	Backlog	Low	GUI: Material editor: Start without scroll bars, and automatically center dropped sample models			wuttke	18 Sep 2020 18:31
2349	Documentation	Backlog	Normal	Core: instrument: improve example: Beam divergence: use sample with highly structured GISAS pattern, and show effect of beam divergence			wuttke	19 Sep 2020 10:21
2347	Bug	Backlog	Normal	GUI crashes with masks and 90deg beam inclination			herck	30 Jul 2019 16:29
2341	Feature	Backlog	Low	GUI: personal material library			ganeva	18 Sep 2020 15:51
2340	Feature	Backlog	Normal	Fit: facilitate switch between minimizers (problem with constraints)			wuttke	18 Sep 2020 18:52
2335	Feature	Backlog	Normal	Fit: Non-obvious way of constructing custom evaluate function for FitObjective			dmitry	18 Sep 2020 22:53
2334	Feature	Backlog	Normal	Installer: Windows: allow users to choose if they want to put BornAgain in the path or not on Windows			dmitry	18 Sep 2020 23:47
2327	Bug	Backlog	Low	GUI: cannot delete several experimental datasets at once			dmitry	19 Sep 2020 10:14

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2323	Bug	Backlog	Normal	GUI: plots: cannot set a horizontal/vertical projection when switching from color map to projections view			dmitry	19 Sep 2020 10:17
2320	Feature	Backlog	High	GUI: project back compatibility: save project should save also the Python script			ganeva	18 Sep 2020 19:03
2313	Feature	Backlog	Normal	GUI: adjust step value in spin box for wavelength (instrument view)			dmitry	18 Sep 2020 23:48
2309	Testing	Backlog	Normal	Core: slicing: Provide more test coverage of multilayer slicing machinery			herck	19 Sep 2020 10:11
2300	Feature	Backlog	Normal	PythonAPI: provide beam divergence for OffSpecular simulation			pospelov	18 Sep 2020 22:41
2299	Feature	Backlog	Normal	Core: FF: Investigate form factor of a cylinder sector			herck	18 Sep 2020 16:32
2293	Feature	Backlog	Normal	3DView: provide mesocrystals in particle distribution			pospelov	31 Jan 2019 12:15
2288	Bug	Backlog	High	Core: inter-particle: Remove numerical instability at q=0 for 2d paracrystal			herck	18 Sep 2020 21:55
2284	Configuration	Backlog	Normal	Installer: Windows: python error when trying to plot.			juan	19 Sep 2020 10:35
2281	Feature	Backlog	Normal	GUI: provide pan mode for camera in 3D view			pospelov	11 Jan 2019 11:26
2280	Bug	Backlog	Normal	GUI: consecutive import of sample from several python scripts is affected by previous imports			pospelov	30 Jul 2019 16:32
2279	Feature	Backlog	Low	Core: allow the user to select the contributions to the scattering intensity (diffuse, coherent)			herck	18 Sep 2020 23:47
2269	Bug	Backlog	Normal	GUI on Windows: import python script fails with anaconda python in path			dmitry	19 Sep 2020 10:14
2266	Feature	Backlog	Normal	GUI: set detector analyzer direction automatically to beam polarization (with the option of changing it manually)			herck	20 Dec 2018 16:56
2264	Feature	Backlog	Normal	GUI: property panel of intensity data is too narrow on some systems			pospelov	19 Dec 2018 17:54
2263	Feature	Backlog	Normal	GUI: provide immediate canceling of running job			pospelov	19 Dec 2018 17:50
2261	Feature	Backlog	Low	GUI: WelcomeView: Provide tooltip for project file name			pospelov	18 Sep 2020 22:35
2255	Bug	Sprint	High	Parameterization: incompatible fit parameters handled badly, cause program crash during fitting			Uliana_Koneva	19 Sep 2020 10:12
2254	Feature	Backlog	High	Units: Proposal about uniform units of measurement			Uliana_Koneva	19 Sep 2020 09:03
2253	Bug	Backlog	Low	GUI: The "Fit parameters" window is incorrectly displayed			Uliana_Koneva	18 Sep 2020 14:43
2251	Bug	Backlog	Low	GUI: plots: The ordinate (y) scale of graph "Iteration" incorrect display.			Uliana_Koneva	19 Sep 2020 10:16
2248	Bug	Backlog	Low	GUI: Material editor: problems on windows			dmitry	18 Sep 2020 22:54
2244	Feature	Backlog	Low	PythonAPI: support DepthProbeInstrument (currently GUI only)			pospelov	18 Sep 2020 23:20
2242	Refactoring	Backlog	Normal	Parameterization: Provide common interface of handling mean/center/median value in distributions			dmitry	18 Sep 2020 22:40
2241	Refactoring	Backlog	Normal	GUI: Replace DoubleEditor and ScientificDoublePropertyEditor with ScientificSpinBox			dmitry	18 Sep 2020 21:50
2240	Refactoring	Backlog	Normal	GUI: InstrumentItem: refactor unit convertor construction			pospelov	18 Sep 2020 22:27
2238	Feature	Backlog	Low	GUI: Import tab: Get rid of "Linked_instrument"			dmitry	18 Sep 2020 18:19
2234	Refactoring	Backlog	Normal	Fit: Simplify minimizer constructor			pospelov	18 Sep 2020 20:09

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2232	Feature	Backlog	Normal	GUI: provide units in tooltips			ganeva	18 Sep 2020 19:01
2230	Bug	Backlog	Normal	GUI on Cinnamon: Window control buttons are missed			ganeva	28 Nov 2018 11:31
2227	Feature	Backlog	Normal	GUI highdpi: fix Windows scaling issues			pospelov	16 Nov 2018 12:53
2226	Feature	Backlog	Normal	GUI highdpi: provide common access to scale factor			pospelov	16 Nov 2018 12:50
2221	Refactoring	Backlog	Low	Installer: Windows: get libraries from Nuget?			pospelov	18 Sep 2020 18:30
2215	Feature	Backlog	Low	Core: inter-particle: implement other variant for 2d lattice interference function			herck	18 Sep 2020 23:17
2211	Refactoring	Backlog	Low	GUI: Fit view: Refactor fit progress/fit comparison widgets			pospelov	18 Sep 2020 18:33
2209	Feature	Backlog	Normal	Example to create: Fit using bumps minimizer	rbeerwerth		pospelov	21 Dec 2020 08:27
2206	Feature	Backlog	Low	GUI: restore broken drag-and-drop in the ItemTreeView			pospelov	18 Oct 2018 15:48
2205	Feature	Backlog	Low	Fit: Replace difference plot in fitobserver with the true metric used for minimization			herck	18 Sep 2020 21:51
2204	Feature	Backlog	Normal	GUI highdpi: switch mainwindow to highdpi mode on Linux by default			pospelov	18 Oct 2018 13:39
2203	Feature	Backlog	Normal	GUI highdpi: refactor FancyTabWidget to account for high dpi monitors			pospelov	14 Dec 2020 10:02
2202	Feature	Backlog	Normal	GUI highdpi: replace remaining png icons with their svg versions			pospelov	18 Oct 2018 13:34
2197	Feature	Backlog	Normal	3DView: provide default selection of MultiLayer on 3DView open			pospelov	06 Dec 2018 19:15
2191	Feature	Backlog	Normal	Example to create: Lamellar structure			pospelov	18 Sep 2020 15:59
2185	Documentation	Backlog	Normal	Installer: MacOS: Explain peculiarities of matplotlib usage			pospelov	18 Sep 2020 18:37
2180	Bug	Backlog	Normal	GUI autosave: always use local folder for autosave functionality (also when project lives in the cloud)			Uliana_Koneva	18 Sep 2020 23:46
2164	Feature	Backlog	Low	Core: import: support edf format for scattering data			herck	18 Sep 2020 23:16
2160	Feature	Backlog	Low	GUI: consider mask editor to be invoked from instrument view			pospelov	18 Sep 2020 23:43
2159	Feature	Backlog	Normal	3DView: improve appearance when particle size is large			pospelov	18 Sep 2020 23:15
2157	Feature	Backlog	Normal	Example to create: silver behenate standard sample			pospelov	18 Sep 2020 16:00
2133	Testing	Backlog	Normal	Core: slicing: ensure functional test coverage of sliced particles			herck	18 Sep 2020 23:35
2130	Refactoring	Backlog	Normal	Core API: Reduce the number of possible ways to access data through SimulationResult			dmitry	18 Sep 2020 22:32
2120	Refactoring	Backlog	Low	Core: inter-particle: Let decay functions calculate the minimum and maximum values of q to use			herck	18 Sep 2020 23:03
2114	Feature	Backlog	Normal	Code dependencies: get rid of boost::iostreams			pospelov	19 Sep 2020 10:04
2112	Feature	Backlog	Normal	Code dependencies: get rid of boost::program_options			pospelov	19 Sep 2020 10:04
2109	Refactoring	Backlog	Low	GUI: plots: refactor 1D and 2D plotting			pospelov	19 Sep 2020 10:15
2099	Bug	Backlog	Normal	GUI: relative difference item in fit comparison requires revision			dmitry	18 Sep 2020 22:25
2094	Feature	Backlog	Normal	Polarized: allow magnetic scattering for all IComputations	rbeerwerth		herck	23 Sep 2020 11:04
2093	Refactoring	Backlog	Normal	GUI: plots: create prototype of universal 1D, 2D plot machinery			pospelov	19 Sep 2020 10:14

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2090	Bug	Backlog	Low	GUI: Fitting history is wiped out after switching to another view and back			dmitry	18 Sep 2020 23:24
2087	Documentation	Backlog	Normal	Website: provide "description" and "keywords" meta information			pospelov	14 Jun 2018 17:35
2086	Feature	Backlog	Normal	GUI: introduce extended distribution editor for ParticleDistributionItem			pospelov	28 Nov 2018 15:43
2085	Feature	Backlog	Normal	3DView: move time consuming operations in a thread			pospelov	18 Sep 2020 16:01
2067	Feature	Backlog	Normal	Python utils: enhance functionality for reflectometry plotting			dmitry	18 Sep 2020 19:52
2066	Feature	Backlog	Normal	Installer: MacOS: cleanup dmg installer from unnecessary Qt libraries			pospelov	18 Sep 2020 23:44
2064	Bug	Backlog	Low	GUI: plots: weird behaviour when equalizing plots			dmitry	19 Sep 2020 10:16
2058	Feature	Backlog	Normal	Core: compute Poisson error estimate for experimental real data			dmitry	18 Sep 2020 23:22
2056	Feature	Backlog	Low	GUI: Restore MaterialPropertyController			pospelov	18 Sep 2020 20:24
2050	Refactoring	Backlog	Normal	GUI: SessionModel::copyItem: remove dependence on XML serialization			herck	18 Sep 2020 22:25
2037	Bug	Backlog	High	Fit: Unrealistically high error estimate (while fitting specular signal)			dmitry	21 Sep 2020 12:01
2025	Bug	Backlog	High	Core: slicing: makes mesocrystal simulation very slow			pospelov	19 Sep 2020 10:10
2020	Testing	Backlog	Low	Test: add functional test of reproducibility of simulation runs			dmitry	18 Sep 2020 22:45
2013	Documentation	Backlog	Normal	Example to create: project file with 'real' data and web tutorial using this			herck	18 Sep 2020 16:01
2011	Refactoring	Backlog	Normal	PythonAPI: improve access to the simulation results			ganeva	18 Sep 2020 18:38
2000	Feature	Backlog	Normal	CMake: Linux installation: use rpath for our own binaries			pospelov	19 Sep 2020 10:18
1996	Feature	Backlog	Low	GUI: About: print build time			pospelov	18 Sep 2020 16:04
1994	Feature	Backlog	Normal	Units: Enable automatic conversion of parameter values/limits between GUI and Core (enabling angle fit parameters)			herck	18 Sep 2020 23:27
1992	Feature	Backlog	Low	GUI: RealTimeView: revise			pospelov	18 Sep 2020 20:18
1990	Refactoring	Sprint	Normal	Code organisation: Remove duplicate type definitions in BornAgainNamespace.h and item_constants.h	wuttke		herck	18 Sep 2020 21:56
1988	Feature	Backlog	Normal	Fit: Propagate best fit parameter values to parameter tree and fit parameter list			herck	18 Sep 2020 22:48
1984	Bug	Backlog	Normal	GUI: collaps/expand arrows on InstrumentView are too big on Mac			pospelov	26 Jun 2020 18:48
1972	Feature	Backlog	Normal	GUI: provide beam divergence for OffSpec instrument			pospelov	06 Dec 2018 19:14
1971	Documentation	Backlog	Normal	Fit: Provide description of fitting engines' options			dmitry	18 Sep 2020 22:38
1928	Feature	Backlog	Low	GUI: SpecularSimulation: progress counter broken			dmitry	18 Sep 2020 22:55
1927	Feature	Backlog	Normal	Core: inter-particle: InterferenceFunction2DParaCrystal::interference1D is slow			pospelov	19 Sep 2020 10:19
1918	Refactoring	Backlog	Normal	Core API: review IHistogram class family			dmitry	18 Sep 2020 22:34
1893	Refactoring	Backlog	Low	GUI: provide uniform splitters where possible			pospelov	18 Sep 2020 19:01
1864	Feature	Backlog	Normal	GUI: About: provide option to export citation			ganeva	18 Sep 2020 18:59
1847	Refactoring	Backlog	Normal	Test: let IFactory support variadic constructor parameters			pospelov	19 Sep 2020 10:35

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1817	Feature	Backlog	Normal	GUI: provide an easy way of importing instrument definitions and real data into the GUI			herck	18 Sep 2020 22:43
1805	Feature	Long Term Idea	Low	Code dependencies: investigate usage of Python packages from C++ (fabio, periodictable)			pospelov	19 Sep 2020 10:06
1781	Bug	Backlog	High	Installer: Linux: Fix thisbornagain.sh to correctly drop from path previous BornAgain installation.			pospelov	18 Sep 2020 18:49
1775	Refactoring	Backlog	Normal	Parameterization: Check pyramid like shapes for angles > 90 degrees			herck	18 Sep 2020 23:44
1773	Feature	Backlog	Low	GUI: implement a ruler for ProjectionsEditor			pospelov	18 Sep 2020 18:57
1766	Refactoring	Backlog	Normal	Core: FF: Replace all form factors in sample creation by shapes	wuttke		herck	21 Sep 2020 12:09
1755	Feature	Backlog	Low	GUI: provide additional command line parameter to open existing projects			pospelov	18 Sep 2020 18:58
1754	Feature	Backlog	Normal	Fit: investigate log-likelihood, Poisson statistics			pospelov	18 Sep 2020 19:07
1751	Feature	Backlog	Normal	CMake: warn if there are remnants of other BornAgain installation			pospelov	18 Sep 2020 23:43
1718	Configuration	Backlog	Low	Installer: Windows: Provide alternative installer with debug symbols			pospelov	18 Sep 2020 19:25
1715	Feature	Backlog	Normal	Core API: start sample construction with SlabSample() or FilmSample()			wuttke	18 Sep 2020 16:39
1704	Feature	Backlog	Low	Fit: Revise chi squared module			wuttke	18 Sep 2020 19:37
1698	Feature	Backlog	Normal	GUI: save/load detector mask			wuttke	18 Sep 2020 19:05
1685	Refactoring	Backlog	Normal	PythonAPI: Only expose classes/functions that users might need			wuttke	18 Sep 2020 19:40
1677	Feature	Backlog	High	Core: roughness: Independent roughness cross-correlation for disjoint sets of interfaces			ganeva	18 Sep 2020 17:39
1666	Feature	Backlog	Normal	PythonAPI: Constructor of Histogram2D should accept also numpy arrays with dtype=int			ganeva	18 Sep 2020 17:00
1612	Feature	Backlog	High	Core: beam propagation: add forward scattering amplitudes to specular amplitude			herck	19 Sep 2020 10:32
1578	Refactoring	Backlog	Low	Core: FF: reimplement ripples as Cartesian product Profile * Decay			wuttke	18 Sep 2020 18:37
1569	Refactoring	Backlog	Normal	Core: FF: API: rename hard particle form factors			wuttke	18 Sep 2020 16:42
1568	Feature	Backlog	Low	Core: FF: Implement TruncatedEllipsoid to replace HemiEllipsoid	wuttke		wuttke	18 Sep 2020 18:10
1540	Feature	Long Term Idea	Normal	Core: support incoherent z-distribution of particles inside layer			herck	18 Sep 2020 16:59
1507	Feature	Backlog	Low	GUI: Sample builder & editor: SHIFT+LeftClick should add to selection			wuttke	18 Sep 2020 19:05
1506	Feature	Backlog	Low	GUI Sample Tree View: cut / paste or move to be added to right-click popup menu			wuttke	18 Sep 2020 18:53
1504	Feature	Backlog	Low	GUI: support standard control keys			wuttke	18 Sep 2020 19:06
1495	Refactoring	Backlog	Normal	GUI: extend GUISuite functional test machinery with standard fits			pospelov	01 Jul 2016 13:50
1494	Refactoring	Backlog	Normal	GUI: Implement export of fitting setup to python script.			pospelov	01 Jul 2016 13:50
1493	Refactoring	Backlog	Normal	GUI: Implement tranform from domain for fitting objects			pospelov	01 Jul 2016 13:50
1416	Bug	Backlog	Normal	Core: FF: form factors with numeric integration fail for small and for large q			wuttke	18 Sep 2020 18:20

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1415	Feature	Backlog	Low	Parameterization: onChange() should invalidate cache, and not immediately execute precompute()			wuttke	21 Sep 2020 12:08
1229	Feature	Backlog	Normal	Installer: MacOS: create BornAgain "tap" and "formula" for Homebrew			pospelov	18 Sep 2020 22:59
1214	Feature	Backlog	Normal	3DView: visualize rough interfaces			pospelov	02 Nov 2020 13:54
1175	Configuration	Backlog	Normal	Installer: Linux: Provide official debian package			ganeva	18 Sep 2020 22:36
1141	Documentation	Backlog	High	Manual: describe multi layers			pospelov	18 Sep 2020 17:20
1102	Documentation	Sprint	Normal	Core: instrument simulation: review normalization, especially in view of finite sample extension, finite beam width, and small glancing angles	rbeerwerth		wuttke	18 Sep 2020 20:20
1082	Refactoring	Sprint	High	GUI: provide undo/redo functionality	pospelov	v2.0	pospelov	18 Sep 2020 19:01
1068	Feature	Backlog	Normal	GUI: provide SLD profile view			a.glavic	18 Sep 2020 20:08
1060	Refactoring	Backlog	Normal	Core: refactor SSCA according to manual			wuttke	18 Sep 2020 16:57
1032	Feature	Long Term Idea	Normal	Core: Rotation of inter-particle structures			a.glavic	22 Sep 2020 14:18
1014	Documentation	Backlog	Normal	Parameterization: document simulation with distributed parameters			pospelov	18 Sep 2020 23:13
983	Documentation	In Progress	High	Physics manual: add chapter on beam propagation in stratified samples	wuttke		wuttke	18 Sep 2020 17:12
981	Feature	Backlog	Low	GUI: Real-time activity: update refractive index when varying wavelength			ganeva	18 Sep 2020 18:25
907	Feature	Backlog	Normal	Example to create: MesoCrystal tutorial			pospelov	18 Sep 2020 16:55
697	Feature	Backlog	Normal	Core: support Monte Carlo integration over all incoherent parameters			herck	19 Sep 2020 10:11
587	Feature	Long Term Idea	Low	Fit: investigate objective function alternatives			pospelov	18 Sep 2020 23:05
31	Feature	Backlog	Low	Core: beam propagation: Implement x-ray polarization factor			herck	18 Sep 2020 17:37
12	Feature	Backlog	Normal	Core: SLD: Calculation of refractive index for x-rays and neutrons from database			pospelov	18 Sep 2020 18:10