

## BornAgain - Issues

#	Tracker	Status	Priority	Subject	Assignee	Target version	% Done	Created	Author
2475	Refactoring	Rejected	Normal	Parameterization: BaseMaterialImpl: typeId			0	11 Jul 2020 08:58	wuttke
2474	Refactoring	Resolved	Normal	simplify the functional test machinery	wuttke		0	02 Jul 2020 16:15	wuttke
2473	Refactoring	Resolved	Normal	Put all tests under CTest control	wuttke		0	02 Jul 2020 07:18	wuttke
2472	Refactoring	Resolved	Normal	Disambiguate INamed: class name or object name	wuttke		0	02 Jul 2020 06:54	wuttke
2466	Refactoring	Resolved	Normal	Use full paths in #include directives	wuttke	v1.18	0	23 Jun 2020 15:55	wuttke
2465	Configuration	Resolved	Normal	CMake: more standard find modules for fftw3 and tiff	wuttke	v1.18	0	22 Jun 2020 13:40	wuttke
2463	Feature	Resolved	Normal	Update macmini to High Sierra and provide BornAgain build	pospelov	Sprint 43	0	09 Jun 2020 13:01	pospelov
2461	Bug	Resolved	Normal	GUI: crash in 3D view with lock function	pospelov	Sprint 43	0	27 May 2020 13:40	pospelov
2459	Documentation	Resolved	Normal	Update and reorganize Doxyfiles	wuttke	v1.18	0	21 May 2020 13:46	wuttke
2456	Refactoring	Resolved	Normal	simplify integrators	wuttke	Sprint 43	0	18 May 2020 14:21	wuttke
2455	Refactoring	Resolved	Normal	correct and document Ripple form factors	wuttke	Sprint 43	0	18 May 2020 14:15	wuttke
2454	Refactoring	Resolved	Normal	print q vector if numeric form factor test fails	wuttke	Sprint 43	0	18 May 2020 14:13	wuttke
2453	Feature	Rejected	Normal	Provide a tarball generation in Travis builds			0	13 May 2020 10:42	pospelov
2452	Feature	Rejected	Normal	Provide MacOS installer generation in Travis builds			0	13 May 2020 10:40	pospelov
2451	Feature	Rejected	Normal	Provide Windows installer generation in Appveyor builds			0	13 May 2020 10:39	pospelov
2450	Feature	Resolved	Normal	Provide Windows compilation with Python 3.8, switch Appveyor to it	rbeerwerth	Sprint 43	0	11 May 2020 10:19	pospelov
2449	Feature	Resolved	Normal	Enable Travis MacOS build	pospelov	Sprint 43	0	07 May 2020 16:00	pospelov
2448	Feature	Resolved	Normal	Switch Appveyor Windows build to MSVC 2019	pospelov	Sprint 43	0	06 May 2020 14:17	pospelov
2447	Feature	Resolved	Normal	Update eigen3 submodule URL	pospelov	Sprint 43	0	05 May 2020 20:13	rbeerwerth
2446	Feature	Resolved	Normal	GUI: fix HighDPI issues under Windows.	pospelov	Sprint 43	0	05 May 2020 16:43	pospelov
2445	Feature	Resolved	Normal	GUI: fix fancy toolbars under Linux		Sprint 43	0	05 May 2020 16:39	pospelov
2444	Feature	Rejected	Normal	Provide a nice-to-have list toward more pythonic BornAgain PythonAPI		v2.0	0	22 Apr 2020 13:22	pospelov
2443	Feature	Resolved	Normal	Create document describing the release procedure.	pospelov	Sprint 43	0	22 Apr 2020 11:45	pospelov
2442	Bug	Resolved	Normal	Roughness on first semi-infinite layer	rbeerwerth	Sprint 43	0	16 Apr 2020 17:53	rbeerwerth
2441	Bug	Resolved	Normal	Imaginary SLD	rbeerwerth	Sprint 43	0	16 Apr 2020 17:43	rbeerwerth
2440	Feature	Rejected	Normal	TO DISCUSS: Core: Run static code analyzer once			0	09 Apr 2020 10:30	pospelov
2439	Refactoring	Resolved	Normal	Get rid of all Qt's deprecated compile warnings	pospelov	Sprint 43	0	07 Apr 2020 14:43	pospelov
2438	Feature	Resolved	Normal	Website: rename "python scripts" and "tutorial examples" menu entries.	pospelov	Sprint 43	0	06 Apr 2020 22:49	pospelov
2437	Documentation	Resolved	Normal	Website: provide citing and news item for BornAgain publication	wuttke	Sprint 43	0	06 Apr 2020 11:51	pospelov

#	Tracker	Status	Priority	Subject	Assignee	Target version	% Done	Created	Author
2434	Refactoring	Rejected	Normal	Update file header everywhere			0	06 Apr 2020 11:03	pospelov
2432	Refactoring	Resolved	Normal	Run code beautifier on the whole codebase.	pospelov	Sprint 43	0	06 Apr 2020 10:54	pospelov
2431	Documentation	Resolved	Normal	Website: switch to latest Hugo in website travis based generation.	pospelov	Sprint 43	0	06 Apr 2020 10:49	pospelov
2430	Feature	Resolved	Normal	Try switch bindings to swig v4.0.1	rbeerwerth	Sprint 43	0	06 Apr 2020 10:46	pospelov
2428	Feature	Resolved	Normal	Add Nevot-Croce roughness model	rbeerwerth	Sprint 43	100	06 Apr 2020 10:27	pospelov
2424	Bug	Resolved	Normal	GUI crash by unexpected user behavior	pospelov	Sprint 43	0	27 Nov 2019 12:02	ganeva
2413	Feature	Resolved	Normal	Enable polarized reflectometry	dmitry		0	20 Nov 2019 10:28	dmitry
2412	Feature	Resolved	Normal	Adapt computation engine for polarized ToF reflectometry	dmitry		0	20 Nov 2019 10:28	dmitry
2408	Bug	Resolved	Normal	Unable to save png, pdf and jpg	juan		100	15 Oct 2019 10:31	juan
2405	Refactoring	Rejected	Normal	Simplify IterationStrategy and related classes			0	23 Sep 2019 14:21	dmitry
2401	Bug	Resolved	Normal	Importing OutputData from ASCII file ignores lines that start with a negative value	herck	Sprint 42	0	28 Aug 2019 11:50	herck
2400	Bug	Resolved	Normal	Fix average mesocrystal form factor in the presence of postional disorder	herck	Sprint 42	0	06 Aug 2019 14:53	herck
2396	Documentation	Resolved	Normal	General revision and update to the examples section in the website	juan	Sprint 41	100	31 Jul 2019 16:59	juan
2392	Documentation	Resolved	Normal	Provide Doxygen class comments for recently added classes	wuttke		0	31 Jul 2019 14:09	wuttke
2387	Refactoring	Rejected	Normal	Rename "OffSpecularConverter"			0	31 Jul 2019 10:35	wuttke
2386	Refactoring	Rejected	Normal	why not "ISimulation" instead of "Simulation"?			0	31 Jul 2019 10:31	wuttke
2385	Documentation	Resolved	Normal	Doxygen > User API > group Simulation: too crowded, break into subgroups	wuttke		0	31 Jul 2019 10:27	wuttke
2384	Bug	Resolved	Normal	GUI: error on slicing core-shell particles	herck	Sprint 41	0	31 Jul 2019 09:57	dmitry
2382	Bug	Resolved	Normal	Memory leakage during Python fitting	pospelov	Sprint 41	0	30 Jul 2019 12:48	pospelov
2380	Bug	Rejected	Normal	Simulation failure for particles crossing interface	herck		0	25 Jul 2019 14:40	ganeva
2377	Feature	Resolved	Normal	Implement layer editor prototype on the basis of the the new model-view framework	dmitry	Sprint 41	0	24 Jun 2019 10:39	dmitry
2375	Bug	Rejected	Normal	fit along slices example fails to converge			0	04 Jun 2019 18:41	dmitry
2374	Feature	Resolved	Normal	Clean Functionality to Import Typical Reflectometry ASCII Formats	juan	Sprint 41	0	03 Jun 2019 11:57	juan
2373	Feature	Resolved	Normal	Remove choice between decoupling approximation and SSCA in GUI layouts	herck	Sprint 41	0	29 May 2019 16:20	herck
2371	Bug	Rejected	Normal	Ctrl+S doesn't work for saving project on win		Sprint 41	0	22 May 2019 00:10	dmitry
2370	Bug	Resolved	Normal	Crash on reflectometry simulation for nonsensible values of theta	juan	Sprint 41	100	20 May 2019 18:13	juan
2369	Refactoring	Rejected	Normal	rename ThirdParty/Fit/RootMinimizers			0	19 May 2019 18:51	wuttke
2365	Feature	Resolved	Normal	GUI: rename "Import" button to "Data"	juan	Sprint 41	0	17 May 2019 14:34	wuttke
2362	Bug	Rejected	Normal	GUI: can neither quit, nor cancel an endless job			0	17 May 2019 13:45	wuttke

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2361	Refactoring	Resolved	Normal	Use **kwargs in python plotting routines	ganeva	Sprint 41	0	17 May 2019 12:31	ganeva
2358	Feature	Resolved	Normal	Save/read reflectometry data/simulation in consistent units			0	14 May 2019 12:04	juan
2352	Feature	Rejected	Normal	Provide means to save real-space view as image (or animation?)			0	13 May 2019 12:55	wuttke
2351	Feature	Rejected	Normal	nomenclature: find better term than "interference" for lattices or correlation functions			0	13 May 2019 12:16	wuttke
2346	Feature	Resolved	Normal	Enable qspace visualisation for large inclinations	herck	Sprint 41	0	08 May 2019 12:05	herck
2345	Testing	Rejected	Normal	Unit test for loading Reflectometry ASCII data			0	07 May 2019 17:47	juan
2344	Bug	Rejected	Normal	GUI: impossible to set limits for intensity as a fit parameter	dmitry	Sprint 41	0	02 May 2019 09:23	dmitry
2342	Bug	Resolved	Normal	Unit test failure on user system with Qt 5.6.2	pospelov	Sprint 41	0	24 Apr 2019 09:49	pospelov
2338	Bug	Resolved	Normal	Numerical instability in roughness calculations	dmitry	Sprint 41	0	12 Apr 2019 18:11	pospelov
2337	Bug	Resolved	Normal	Layout weights are not exported to Python from GUI	herck	Sprint 41	0	10 Apr 2019 11:16	herck
2333	Feature	Resolved	Normal	GUI: Switch resolutions/divergences in specular instrument to the new resolution machinery	dmitry	Sprint 41	0	28 Mar 2019 12:49	dmitry
2331	Feature	Resolved	Normal	Unit labels	juan	Sprint 41	0	25 Mar 2019 14:34	juan
2330	Bug	Resolved	Normal	"Save" fails when there are Cyrillic characters on the path.	pospelov	Sprint 41	0	25 Mar 2019 14:10	juan
2328	Bug	Rejected	Normal	Crashing during GISAS fitting		Sprint 41	0	19 Mar 2019 12:25	dmitry
2325	Documentation	Resolved	Normal	Proofread Windows installation tutorials	herck	Sprint 41	0	12 Mar 2019 17:52	pospelov
2324	Bug	Rejected	Normal	Save to TIFF is broken		Sprint 41	0	12 Mar 2019 16:02	dmitry
2322	Bug	Rejected	Normal	GUI: Ensure usage of identical colormap for real data and simulation in fitview	dmitry	Sprint 41	0	11 Mar 2019 14:41	herck
2321	Bug	Resolved	Normal	Setting 'Min' or 'Max' for fitparameter Beam Intensity doesn't work	dmitry	Sprint 41	0	05 Mar 2019 18:12	herck
2319	Feature	Resolved	Normal	GUI: import multiple files	juan		100	05 Mar 2019 09:47	ganeva
2318	Feature	Rejected	Normal	GUI: rotate imported 2D dataset			0	05 Mar 2019 09:40	ganeva
2317	Feature	Rejected	Normal	GUI: relax extension constraints for 2D data import			0	05 Mar 2019 09:35	ganeva
2316	Feature	Resolved	Normal	Provide support for handling intensity uncertainties in experimental data	dmitry	Sprint 41	0	04 Mar 2019 14:59	dmitry
2315	Feature	Resolved	Normal	Provide support for pointwise resolution in reflectometry	dmitry	Sprint 41	0	04 Mar 2019 14:56	dmitry
2312	Bug	Resolved	Normal	GUI crash on attempt to save a project on Mac	pospelov	Sprint 41	0	04 Mar 2019 11:36	dmitry
2311	Feature	Resolved	Normal	Provide possibility to load 2D ASCII data for files with .dat extention	juan	Sprint 41	100	01 Mar 2019 16:52	pospelov
2310	Bug	Resolved	Normal	GUI: disappeared button to rotate dataset in RealDataView	pospelov	Sprint 41	0	01 Mar 2019 16:50	pospelov
2308	Documentation	Resolved	Normal	Fix Windows PyCharm tutorial	pospelov	Sprint 41	0	27 Feb 2019 09:48	pospelov
2307	Bug	Rejected	Normal	Wrong units during fit with q-defined reflectometry	dmitry	Sprint 40	0	22 Feb 2019 12:18	dmitry
2306	Bug	Rejected	Normal	Weird intensity results in DepthProbeSimulation	herck	Sprint 41	0	19 Feb 2019 13:08	dmitry
2305	Bug	Rejected	Normal	Premature deletion of OutputData<double> in python	dmitry	Sprint 40	0	19 Feb 2019 10:41	dmitry

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2304	Bug	Resolved	Normal	Uncaught exception in GUI during real time tuning	herck	Sprint 40	0	15 Feb 2019 10:36	herck
2303	Feature	Resolved	Normal	Implement twin particle interference function	herck	Sprint 40	0	14 Feb 2019 10:02	herck
2302	Feature	Rejected	Normal	Provide form factor for hexagon-based twisted pyramid			0	13 Feb 2019 14:06	ganeva
2297	Feature	Resolved	Normal	Provide q-based input for specular simulations	dmitry	Sprint 40	0	08 Feb 2019 10:08	dmitry
2294	Feature	Resolved	Normal	3DView: provide button to save image	juan		100	31 Jan 2019 13:22	ganeva
2292	Feature	Resolved	Normal	Switch internal specular computations to q values	dmitry	Sprint 40	0	29 Jan 2019 13:33	dmitry
2291	Support	Resolved	Normal	Provide hard disc Percus-Yevick interference function	herck	Sprint 40	0	23 Jan 2019 10:04	herck
2290	Feature	Resolved	Normal	Implement simplified 2D peak search for GISAS images	pospelov	Sprint 40	0	17 Jan 2019 16:51	pospelov
2289	Testing	Resolved	Normal	Test slicing and averaging functionality for reflectometry in BornAgain	dmitry	Sprint 40	0	17 Jan 2019 12:38	dmitry
2287	Testing	Resolved	Normal	Reflectometry cross-validation	juan	Sprint 41	100	15 Jan 2019 08:48	dmitry
2286	Bug	Resolved	Normal	Fix usage of Debye-Waller factors for superlattices	herck	Sprint 40	0	14 Jan 2019 18:13	herck
2285	Feature	Resolved	Normal	Name layers in GUI by their material name	juan	Sprint 41	0	14 Jan 2019 17:47	herck
2283	Documentation	Resolved	Normal	Fix starting value of prism_base_edge in fit example	pospelov	Sprint 41	0	14 Jan 2019 11:30	pospelov
2282	Feature	Resolved	Normal	Implement position variance in 3d view	herck	Sprint 40	0	11 Jan 2019 16:55	herck
2278	Feature	Resolved	Normal	Add Debye Waller factor for 1D and 2D lattice	herck	Sprint 40	0	10 Jan 2019 17:01	herck
2277	Bug	Resolved	Normal	GUI: value of wavelength is not propagated on switch from InstrumentView	pospelov	Sprint 40	0	10 Jan 2019 13:45	pospelov
2276	Support	Rejected	Normal	TO MOVE: Provide simulation of mpnc sample for DESY			0	10 Jan 2019 09:18	pospelov
2275	Refactoring	Resolved	Normal	Refactor cmake machinery for consistent Python interpreter/libraries handling	pospelov	Sprint 43	0	09 Jan 2019 11:42	pospelov
2273	Documentation	Resolved	Normal	Comparative overview of existing reflectometry packages	dmitry	Sprint 40	0	09 Jan 2019 10:23	dmitry
2272	Bug	Rejected	Normal	Reports from the school: coefficients are not scalar bug.			0	21 Dec 2018 14:24	pospelov
2271	Feature	Rejected	Normal	Provide units Angstroms in import 1D data widget			0	21 Dec 2018 12:18	pospelov
2270	Bug	Resolved	Normal	Repeating values after removing unsorted data	dmitry	Sprint 40	0	21 Dec 2018 11:34	dmitry
2268	Bug	Rejected	Normal	Sometimes parameter values are reset when they go out of focus		Sprint 40	0	20 Dec 2018 18:45	herck
2267	Feature	Resolved	Normal	Activate polarized sans	herck	Sprint 40	0	20 Dec 2018 17:45	herck
2265	Bug	Resolved	Normal	3D view incorrectly represents particle positions for layouts connected to deeper layers	pospelov	Sprint 40	0	20 Dec 2018 16:25	herck
2262	Bug	Resolved	Normal	Fix memory leakage in Python API	pospelov	Sprint 40	0	19 Dec 2018 08:25	pospelov
2260	Feature	Resolved	Normal	Remove domain size and damping length in paracrystals in favour of a small q expansion	herck	Sprint 40	0	18 Dec 2018 11:27	herck
2259	Feature	Resolved	Normal	Make off-spec simulation fittable	dmitry	Sprint 40	0	12 Dec 2018 12:57	dmitry
2252	Configuration	Rejected	Normal	Investigate the possibility to use different versions of shared libraries on Linux without recompilation of the code			0	10 Dec 2018 16:35	dmitry

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2250	Documentation	Resolved	Normal	Fix doxygen documentation			0	10 Dec 2018 12:12	dmitry
2249	Bug	Resolved	Normal	Crash on fitting SpecularInstrument/Beam/Polarization/X, Y, Z	dmitry	Sprint 39	0	07 Dec 2018 14:10	juan
2247	Feature	Resolved	Normal	Update Yosemite vagrant box	pospelov	Sprint 39	0	06 Dec 2018 15:28	pospelov
2246	Feature	Resolved	Normal	GUI: provide possibility to select intensity and residual function type in Minimizer settings	pospelov	Sprint 39	0	06 Dec 2018 15:24	pospelov
2245	Bug	Resolved	Normal	Crash when running simulation with missing instrument	dmitry	Sprint 39	0	06 Dec 2018 11:02	juan
2243	Bug	Resolved	Normal	Instrument id is not updated when it is copied to job item	dmitry	Sprint 39	0	06 Dec 2018 10:00	dmitry
2239	Bug	Resolved	Normal	Crash on load of any saved project	pospelov	Sprint 39	0	03 Dec 2018 13:21	pospelov
2237	Bug	Resolved	Normal	GUI: stop button in fitting panel does not work	herck	Sprint 39	0	30 Nov 2018 12:48	dmitry
2236	Bug	Resolved	Normal	GUI: Fitting failure on some minimization algorithms	pospelov	Sprint 39	0	30 Nov 2018 12:33	dmitry
2235	Bug	Resolved	Normal	Restore automatic linking of user data to instrument in Simulation tab	dmitry	Sprint 39	0	29 Nov 2018 12:54	dmitry
2233	Documentation	Resolved	Normal	Update manual before release	herck	Sprint 39	0	28 Nov 2018 17:42	herck
2231	Bug	Resolved	Normal	Reflectivity: strange behaviour at wavelength distribution	dmitry	Sprint 39	0	19 Nov 2018 14:31	ganeva
2228	Bug	Resolved	Normal	GUI: 1D data loader does not treat 'fixed width' columns correctly	juan	Sprint 39	0	16 Nov 2018 13:13	ganeva
2225	Feature	Resolved	Normal	GUI: implement depth probe instrument	pospelov	Sprint 39	0	16 Nov 2018 12:43	pospelov
2224	Feature	Resolved	Normal	Investigate and implement azimuthal smearing of peak shapes	herck	Sprint 39	0	15 Nov 2018 18:11	herck
2223	Documentation	Resolved	Normal	Update BornAgain Windows installation documentation on the webpage.	pospelov	Sprint 41	0	15 Nov 2018 10:05	ganeva
2222	Feature	Resolved	Normal	Allow scientific notation in tuning parameter tree	dmitry	Sprint 39	0	14 Nov 2018 09:58	dmitry
2220	Testing	Resolved	Normal	Change unit test run order	pospelov	Sprint 39	0	13 Nov 2018 14:21	pospelov
2219	Bug	Resolved	Normal	Appveyor build crash during unit text execution	pospelov	Sprint 39	0	13 Nov 2018 09:24	pospelov
2218	Feature	Resolved	Normal	Find an intelligent way to handle repeating values in the coordinate vector (reflectivity)	juan	Sprint 39	0	12 Nov 2018 11:13	ganeva
2217	Bug	Resolved	Normal	GUI crash on instrument adjustment for 1D data	dmitry	Sprint 39	0	12 Nov 2018 10:55	ganeva
2216	Configuration	Resolved	Normal	Remove stgz extension in BornAgainCPack.cmake			0	06 Nov 2018 15:43	herck
2213	Bug	Rejected	Normal	Unit tests crashing if user system contains own googletest library in LD_LIBRARY_PATH	pospelov	Sprint 39	0	30 Oct 2018 09:43	pospelov
2212	Bug	Rejected	Normal	Saving 1d data in tiff format causes BornAgain to crash.			0	26 Oct 2018 14:25	juan
2210	Testing	Resolved	Normal	Test 1d data import on known file formats		Sprint 41	100	26 Oct 2018 11:09	dmitry
2208	Feature	Resolved	Normal	Update all fitting examples to the new fitting mechanism.	pospelov	Sprint 39	0	24 Oct 2018 16:40	pospelov
2207	Feature	Resolved	Normal	Allow multiplying/dividing data columns by constant factor in CsvImportAssistant	juan	Sprint 39	100	24 Oct 2018 15:13	dmitry
2201	Feature	Resolved	Normal	Remove quotation marks around 'Experimental' in the plotting of fits	herck	Sprint 39	0	16 Oct 2018 18:02	herck
2200	Bug	Resolved	Normal	Trapezoid distribution generates edge values with zero probability	herck	Sprint 39	0	16 Oct 2018 17:32	herck

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2199	Feature	Resolved	Normal	Expand txt-file saving to 1D data	dmitry	Sprint 39	0	16 Oct 2018 10:33	dmitry
2198	Bug	Resolved	Normal	BornAgain GUI on certain Win10 stays collapsed on taskbar	pospelov	Sprint 39	0	16 Oct 2018 07:46	pospelov
2196	Feature	Resolved	Normal	Provide proper cleanup of OpenGL resources on parent widget change	pospelov	Sprint 39	0	12 Oct 2018 16:34	pospelov
2195	Feature	Resolved	Normal	Necessary amendments to ImportDataAssistant	juan	Sprint 39	100	10 Oct 2018 11:31	dmitry
2194	Feature	Resolved	Normal	Handle native coordinates and units from imported user data in RealDataItem and during instrument linking	dmitry	Sprint 39	0	10 Oct 2018 11:27	dmitry
2193	Feature	Resolved	Normal	Import order and priority	juan	Sprint 39	100	10 Oct 2018 09:10	dmitry
2192	Envelope task	Archived	Normal	1D data import functionality		Sprint 41	100	10 Oct 2018 07:47	dmitry
2189	Bug	Resolved	Normal	Real time view shows alien tree on jobitem delete	dmitry	Sprint 39	0	05 Oct 2018 15:08	pospelov
2187	Bug	Resolved	Normal	Wrong parameter values displayed in real time widget	pospelov	Sprint 38	0	05 Oct 2018 09:58	pospelov
2186	Documentation	Resolved	Normal	Correct formula for exponential distribution in manual	herck	Sprint 39	0	04 Oct 2018 15:58	herck
2184	Bug	Resolved	Normal	Tuning widget disappears from simulation when "submit only" option is chosen	herck	Sprint 39	0	04 Oct 2018 11:35	dmitry
2183	Bug	Resolved	Normal	Export to python doesn't add extension to file name	juan	Sprint 39	100	04 Oct 2018 11:09	dmitry
2181	Bug	Resolved	Normal	Loading a project file in the GUI overwrites number of threads	herck	Sprint 39	0	02 Oct 2018 15:37	herck
2179	Bug	Resolved	Normal	Saving and loading txt image in GUI causes rotation	juan	Sprint 39	0	28 Sep 2018 16:37	herck
2178	Documentation	Resolved	Normal	Website: add screenshot of 3D view to gallery	pospelov	Sprint 39	0	28 Sep 2018 15:30	pospelov
2177	Feature	Resolved	Normal	Employ PointwiseAxis in the GUI for SpecularSimulations	dmitry	Sprint 39	0	28 Sep 2018 14:30	dmitry
2175	Documentation	Resolved	Normal	Website: provide date and navigation element for news page	pospelov	Sprint 39	0	28 Sep 2018 11:00	pospelov
2174	Feature	Resolved	Normal	Implement HCP and BCT lattice factory functions	herck	Sprint 38	0	27 Sep 2018 10:18	herck
2173	Bug	Resolved	Normal	Inconsistent behavior of dock widgets between sample view and job view	pospelov	Sprint 39	0	27 Sep 2018 09:17	herck
2172	Bug	Resolved	Normal	Fit flow widget doesn't update after fit re-launch	pospelov	Sprint 38	0	26 Sep 2018 14:52	pospelov
2171	Bug	Resolved	Normal	Application crash on switch between fitting and simulation jobs for specular simulation	dmitry	Sprint 38	0	26 Sep 2018 13:53	dmitry
2170	Bug	Resolved	Normal	Widget sizes are reset to default values during fit in GUI	herck	Sprint 38	0	26 Sep 2018 11:23	herck
2169	Bug	Resolved	Normal	Application crash on fitting job	pospelov	Sprint 38	0	25 Sep 2018 18:09	pospelov
2168	Bug	Resolved	Normal	Autosave leads to the GUI crash at certain conditions	pospelov	Sprint 38	0	25 Sep 2018 11:24	pospelov
2167	Bug	Resolved	Normal	Application crash on attempt to load txt.gz file from GUI	juan	Sprint 39	100	24 Sep 2018 10:51	dmitry
2166	Documentation	Resolved	Normal	Put BornAgain API on website	pospelov	Sprint 38	0	21 Sep 2018 10:51	herck
2165	Feature	Rejected	Normal	Consider disabling x,y offset in ParticleItem menu when they do not affect scattering pattern			0	20 Sep 2018 15:22	pospelov
2163	Configuration	Resolved	Normal	move prepackaged Windows libraries from redmine/attachments to src/WinLibs	wuttke		0	20 Sep 2018 11:27	wuttke

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2162	Bug	Resolved	Normal	Jobs which was autosaved during the run stays in running state after project restore.	pospelov	Sprint 38	0	19 Sep 2018 17:11	pospelov
2161	Bug	Resolved	Normal	Cancel of runnig job doesn't work properly	pospelov	Sprint 38	0	19 Sep 2018 17:00	pospelov
2158	Documentation	Resolved	Normal	Extend website with nightly builds to accomodate for early testers			0	19 Sep 2018 13:56	herck
2156	Feature	Resolved	Normal	Implement finite crystals	herck	Sprint 39	0	18 Sep 2018 11:39	herck
2155	Feature	Resolved	Normal	Create and deploy PointwiseAxis for SpecularSimulation	dmitry	Sprint 38	0	18 Sep 2018 09:44	dmitry
2154	Feature	Resolved	Normal	Observations made during GISAS 2018 school at Bayreuth	pospelov	Sprint 39	0	17 Sep 2018 18:14	pospelov
2153	Bug	Rejected	Normal	3D view crashes on rotated 1D interference function	pospelov	Sprint 38	0	17 Sep 2018 17:35	pospelov
2151	Bug	Rejected	Normal	Import Intensity File - dialog opens behind BornAgain main window.			0	14 Sep 2018 13:59	juan
2150	Feature	Resolved	Normal	Slow down zooming speed of Real Space Viewer on Mac	herck	Sprint 38	0	14 Sep 2018 13:25	herck
2149	Bug	Resolved	Normal	GUI crash when switching activity	pospelov	Sprint 38	0	13 Sep 2018 17:40	herck
2148	Bug	Resolved	Normal	GUI: Crash on autosave	herck	Sprint 38	0	13 Sep 2018 15:34	ganeva
2147	Feature	Resolved	Normal	Functionality improvements for the new fitting engine	pospelov	Sprint 39	0	13 Sep 2018 14:29	dmitry
2146	Bug	Resolved	Normal	GUI: back compatibility broken	dmitry	Sprint 38	0	13 Sep 2018 11:09	ganeva
2145	Feature	Rejected	Normal	Enable different axis units for plots in FitObserver			0	12 Sep 2018 14:40	herck
2144	Documentation	Rejected	Normal	Add information on website for graded layer approximation			0	12 Sep 2018 12:53	herck
2143	Bug	Resolved	Normal	Project file with failed simulation job complains during loading	herck	Sprint 38	0	11 Sep 2018 15:50	herck
2142	Feature	Resolved	Normal	Allow material tuning in real time view	dmitry	Sprint 39	0	11 Sep 2018 15:13	pospelov
2141	Feature	Resolved	Normal	Allow for SLD fitting in GUI	dmitry	Sprint 39	0	06 Sep 2018 23:08	dmitry
2140	Feature	Resolved	Normal	Rewrite lines_of_code script to not to rely on ROOT	pospelov	Sprint 38	0	06 Sep 2018 05:08	pospelov
2139	Bug	Resolved	Normal	Inconsistent impact of Euler rotation on simulation/3D view	herck	Sprint 38	0	06 Sep 2018 03:19	pospelov
2137	Refactoring	Resolved	Normal	Import data assistant minor changes	juan	Sprint 39	100	21 Aug 2018 10:28	herck
2136	Bug	Rejected	Normal	Memory leak			0	10 Aug 2018 18:31	herck
2135	Bug	Resolved	Normal	Problem with Icosahedron formfactor position	herck	Sprint 38	0	09 Aug 2018 10:11	herck
2134	Feature	Resolved	Normal	Create translator from numpy arrays to OutputData	dmitry	Sprint 38	0	01 Aug 2018 13:20	dmitry
2132	Feature	Resolved	Normal	Provide possibility to have the reference point of full spheres at their center instead of at the bottom	herck	Sprint 38	0	31 Jul 2018 12:13	herck
2131	Bug	Resolved	Normal	Fix memory leak in factory methods when used from Python	herck	Sprint 38	0	30 Jul 2018 17:27	herck
2129	Bug	Rejected	Normal	Limits: Positive -- Throws error	herck	Sprint 38	0	30 Jul 2018 14:26	juan
2128	Bug	Rejected	Normal	Distributed parameter: "None" -- Gives wrong error message	herck	Sprint 38	0	30 Jul 2018 14:09	juan
2127	Feature	Resolved	Normal	Convert functional tests for specular fits to the new FitObjective machinery	dmitry	Sprint 38	0	30 Jul 2018 11:12	pospelov
2126	Feature	Rejected	Normal	Make default fit observer for specular simulations work with several data sets			0	30 Jul 2018 10:28	dmitry

#	Tracker	Status	Priority	Subject	Assignee	Target version	% Done	Created	Author
2125	Bug	Resolved	Normal	Calculation of maximum reciprocal lattice points to consider for 2d lattice is wrong	herck	Sprint 38	0	27 Jul 2018 10:05	herck
2124	Bug	Rejected	Normal	Successive call to SimulationResult.data() causes segmentation fault	dmitry	Sprint 38	0	25 Jul 2018 11:19	dmitry
2123	Bug	Resolved	Normal	GUI: switching to another fit parameter causes plot reset to the initial value of previous fit parameter	pospelov	Sprint 38	0	25 Jul 2018 10:30	dmitry
2121	Testing	Rejected	Normal	Consider using mutation testing			0	24 Jul 2018 14:37	herck
2119	Feature	Resolved	Normal	Write collection of functional tests for FitObjective	pospelov	Sprint 38	0	24 Jul 2018 11:12	pospelov
2117	Feature	Rejected	Normal	Provide buildbot configuration to test "make install" in user directory			0	19 Jul 2018 14:10	pospelov
2116	Bug	Resolved	Normal	Provide valid editing for fit parameters in GUI	dmitry	Sprint 39	0	17 Jul 2018 10:05	dmitry
2113	Feature	Resolved	Normal	Boost: remove regex dependency	herck	Sprint 38	0	12 Jul 2018 11:29	pospelov
2111	Feature	Resolved	Normal	Boost: remove chrono dependency	dmitry	Sprint 38	0	12 Jul 2018 11:28	pospelov
2110	Feature	Resolved	Normal	Boost: remove date_time dependency	dmitry	Sprint 38	0	12 Jul 2018 10:00	pospelov
2107	Bug	Resolved	Normal	The project crashes on attempt to change limits of fit parameter in GUI	dmitry	Sprint 38	0	06 Jul 2018 16:59	dmitry
2106	Feature	Resolved	Normal	GUI: Create and use DataItemView for 1D fitting	dmitry	Sprint 38	0	02 Jul 2018 09:12	dmitry
2105	Refactoring	Rejected	Normal	Provide DataItemView for handling representation of 1D data	dmitry	Sprint 38	0	02 Jul 2018 09:08	dmitry
2104	Feature	Resolved	Normal	Integrate 3d lattice interference function into core framework	herck	Sprint 38	0	28 Jun 2018 17:01	herck
2103	Feature	Resolved	Normal	Add 3D interference function	herck	Sprint 38	0	27 Jun 2018 15:53	herck
2102	Feature	Resolved	Normal	GUI: switch fitting in GUI from FitSuite to FitObjective	pospelov	Sprint 39	0	27 Jun 2018 12:58	pospelov
2101	Refactoring	Resolved	Normal	ParticleDistribution::generateParticles(): remove possible memory leaks	herck	Sprint 38	0	26 Jun 2018 17:59	herck
2100	Configuration	Rejected	Normal	Make boost iostreams, zlib and bzip submodules in the project			0	22 Jun 2018 15:12	dmitry
2098	Feature	Resolved	Normal	Provide weights for ParticleLayout	herck	Sprint 38	0	21 Jun 2018 17:31	herck
2097	Refactoring	Resolved	Normal	3D view: create PrototypeController to speed up 3D view when number of particles is large	anikhalder	Sprint 38	0	20 Jun 2018 18:22	pospelov
2096	Refactoring	Resolved	Normal	Simplify interference function strategy implementation	herck	Sprint 38	0	20 Jun 2018 12:11	herck
2095	Feature	Resolved	Normal	Enable averaged layer materials for all IComputations	herck	Sprint 38	0	20 Jun 2018 11:56	herck
2092	Bug	Resolved	Normal	GUI: Top level thickness error	pospelov	Sprint 38	0	20 Jun 2018 08:59	ganeva
2091	Bug	Rejected	Normal	Memory leak in ColorMap		Sprint 38	0	18 Jun 2018 14:11	dmitry
2089	Refactoring	Rejected	Normal	Extract calculation of region maps out of IComputationTerm		Sprint 38	0	15 Jun 2018 15:02	herck
2088	Documentation	Rejected	Normal	Website: remove links to external css			0	14 Jun 2018 17:37	pospelov
2084	Feature	Resolved	Normal	3D view: implement mesocrystal		Sprint 39	0	14 Jun 2018 14:19	pospelov
2083	Feature	Resolved	Normal	3D view: provide selective view update		Sprint 38	0	14 Jun 2018 14:16	pospelov
2082	Feature	Resolved	Normal	3D view: implement 1D interference function	anikhalder	Sprint 38	100	14 Jun 2018 14:10	pospelov

#	Tracker	Status	Priority	Subject	Assignee	Target version	% Done	Created	Author
2081	Documentation	Resolved	Normal	Update documentation related to reflectometry and depth probe	dmitry	Sprint 38	0	14 Jun 2018 13:53	dmitry
2080	Refactoring	Resolved	Normal	Refactor computation machinery	herck	Sprint 38	0	14 Jun 2018 13:40	herck
2079	Feature	Resolved	Normal	Introduce SimulationBuilder and refactor FitSuite accordingly	pospelov	Sprint 38	0	13 Jun 2018 16:58	pospelov
2078	Refactoring	Resolved	Normal	Switch FitSuite to the new minimizer kernel	pospelov	Sprint 38	0	13 Jun 2018 16:46	pospelov
2077	Documentation	Rejected	Normal	Update ParticleDistribution tutorial			0	13 Jun 2018 16:44	pospelov
2076	Bug	Resolved	Normal	Beam distribution editors are not updating on parameter change	pospelov	Sprint 38	0	13 Jun 2018 16:38	pospelov
2075	Documentation	Resolved	Normal	Fix interference function tutorials in the part of the "decay length"	pospelov	Sprint 41	0	13 Jun 2018 16:27	pospelov
2073	Feature	Rejected	Normal	Define objectives for Sprint 38		Sprint 38	0	13 Jun 2018 13:19	pospelov
2071	Feature	Resolved	Normal	3D view: profile 3D view for performance when number of particles is large	pospelov	Sprint 38	0	11 Jun 2018 10:18	pospelov
2070	Feature	Resolved	Normal	3D view: modify default particle density of GUI examples to look reasonable in 3D view	herck	Sprint 38	0	11 Jun 2018 10:16	pospelov
2069	Bug	Resolved	Normal	Loading GUI first time takes 30 minutes	pospelov	Sprint 38	0	07 Jun 2018 10:01	herck
2068	Bug	Resolved	Normal	Missing analyzer direction in GUI	herck	Sprint 38	0	04 Jun 2018 17:32	herck
2065	Feature	Rejected	Normal	Enable roi for off-specular instrument			0	29 May 2018 15:26	dmitry
2061	Bug	Resolved	Normal	Prevent RealSpaceDialog from making the GUI crash	herck	Sprint 37	0	28 May 2018 13:17	herck
2060	Bug	Resolved	Normal	RealSpaceDialog doesn't stay on top on Mac	herck	Sprint 37	0	28 May 2018 11:51	herck
2059	Documentation	Resolved	Normal	Revise all Python examples	pospelov	Sprint 37	0	25 May 2018 09:12	pospelov
2057	Documentation	Resolved	Normal	Update "Importing experimental data" tutorial	pospelov	Sprint 37	0	24 May 2018 13:43	pospelov
2055	Bug	Rejected	Normal	BornAgain cannot fit multiple datasets if sample is created with sample builder			0	22 May 2018 14:13	dmitry
2054	Bug	Resolved	Normal	InterferenceFunction2DLattice handles integration over xi wrongly	herck	Sprint 37	0	17 May 2018 18:29	herck
2053	Bug	Resolved	Normal	GUI (Win) whitespaces are missing in saved projection ascii file	herck	Sprint 37	0	17 May 2018 10:44	ganeva
2052	Refactoring	Resolved	Normal	Consider switching to C++17			0	17 May 2018 10:15	dmitry
2051	Feature	Resolved	Normal	Provide loading and using from GUI 1D real data	dmitry	Sprint 38	0	16 May 2018 11:50	dmitry
2049	Bug	Resolved	Normal	GUI-> Crash on Instrument->Clone	herck	Sprint 37	0	11 May 2018 15:07	ganeva
2048	Configuration	Resolved	Normal	Get rid of CMAKE_LIBRARY_PATH	dmitry	Sprint 37	100	09 May 2018 21:51	dmitry
2047	Feature	Resolved	Normal	Fix compilation failures if fftw3, libtiff or Python are static.	pospelov	Sprint 41	0	04 May 2018 08:47	pospelov
2046	Feature	Rejected	Normal	Provide defense against running Python script with wrong version of Python interpreter			0	03 May 2018 12:08	pospelov
2045	Refactoring	Resolved	Normal	Verify and possibly correct QQuaternion construction from our Euler angles in RealSpace::Object::transform	herck	Sprint 37	0	02 May 2018 18:29	herck
2044	Bug	Resolved	Normal	Users cannot see python functions' descriptions, jump to their definitions or use autocompletion in PyCharm	dmitry	Sprint 37	100	27 Apr 2018 16:03	dmitry

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2043	Feature	Resolved	Normal	Implement lattice block particle	herck	Sprint 37	0	19 Apr 2018 14:07	herck
2042	Feature	Resolved	Normal	Create and use icon for finite 2d lattice	pospelov	Sprint 37	0	18 Apr 2018 11:13	herck
2041	Feature	Resolved	Normal	Implement features for the analysis of data from Dulle and Fruhner	herck		100	18 Apr 2018 11:07	herck
2040	Documentation	Resolved	Normal	Website: update all fitting tutorials and Python examples to the new fitting mechanism.	pospelov	Sprint 39	0	18 Apr 2018 09:11	pospelov
2039	Feature	Resolved	Normal	Switch all Python fitting examples from FitSuite to the new Minimizer	pospelov	Sprint 38	0	18 Apr 2018 09:11	pospelov
2038	Refactoring	Resolved	Normal	Refactor Minimizer interface	pospelov	Sprint 38	0	18 Apr 2018 09:10	pospelov
2036	Feature	Resolved	Normal	Bring the appearance of specular simulation to compliance with GISAS/Off-Spec job views	dmitry	Sprint 37	100	16 Apr 2018 10:23	dmitry
2035	Bug	Resolved	Normal	Specular peak disappears if ROI is set	herck	Sprint 37	0	16 Apr 2018 09:23	ganeva
2033	Refactoring	Resolved	Normal	Investigate FitSuite refactoring in the context of external minimizer	pospelov	Sprint 37	0	11 Apr 2018 10:53	pospelov
2032	Refactoring	Resolved	Normal	Update Examples/Demos for Python3			0	09 Apr 2018 15:26	ganeva
2031	Refactoring	Resolved	Normal	replace obsolete qt5_use_modules	herck	Sprint 37	0	09 Apr 2018 14:18	wuttke
2030	Feature	Resolved	Normal	Provide unit conversions for specular instrument in GUI	dmitry	Sprint 37	100	09 Apr 2018 10:05	dmitry
2029	Bug	Resolved	Normal	Unit conversion bug when ROI is set	dmitry	Sprint 37	0	04 Apr 2018 10:09	pospelov
2028	Refactoring	Resolved	Normal	Remove the functionality doubled in DepthProbeSimulation from SpecularSimulation and reuse common code	dmitry	Sprint 37	0	03 Apr 2018 18:14	dmitry
2027	Testing	Resolved	Normal	Provide functional test + example for depth probe simulation	dmitry	Sprint 37	0	03 Apr 2018 18:11	dmitry
2026	Feature	Resolved	Normal	Provide capability of switching angular axis in DepthProbe to different units	dmitry	Sprint 37	0	03 Apr 2018 18:10	dmitry
2023	Feature	Resolved	Normal	Provide finite 2d lattice interference function (with position fluctuations)	herck	Sprint 37	0	23 Mar 2018 13:12	herck
2022	Documentation	Resolved	Normal	Website: provide automatic generation of Python example summary	pospelov	Sprint 37	0	23 Mar 2018 12:52	pospelov
2021	Bug	Rejected	Normal	GUI crash while import python script	herck	Sprint 37	0	21 Mar 2018 17:58	dmitry
2019	Bug	Rejected	Normal	Windows build occasionally fails		Sprint 37	0	20 Mar 2018 14:24	dmitry
2018	Feature	Resolved	Normal	Revise RealDataItem and the way it handles cropped experimental data	pospelov	Sprint 37	0	19 Mar 2018 14:31	pospelov
2017	Documentation	Resolved	Normal	Website: create about section	pospelov	Sprint 37	0	16 Mar 2018 18:08	pospelov
2016	Documentation	Resolved	Normal	Website: create contact section	pospelov	Sprint 37	0	16 Mar 2018 18:01	pospelov
2015	Documentation	Resolved	Normal	Website: create download section	pospelov	Sprint 37	0	16 Mar 2018 18:00	pospelov
2014	Refactoring	Resolved	Normal	Provide uniform access interface for simulation/fitting results	pospelov	Sprint 37	0	16 Mar 2018 13:32	dmitry
2012	Feature	Resolved	Normal	Reenable openMPI calculations	herck	Sprint 37	0	15 Mar 2018 09:40	herck
2010	Bug	Resolved	Normal	cmake should notify user if eigen3 is not found	dmitry	Sprint 37	0	14 Mar 2018 10:22	ganeva
2009	Bug	Rejected	Normal	qwindowsvistatsyle.dll cannot be found under Qt5.9.3 on windows		Sprint 37	0	12 Mar 2018 21:32	dmitry

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2008	Bug	Resolved	Normal	GUI->Fitting: ROI in experimental data causes NaN fitting parameters	pospelov		0	12 Mar 2018 17:02	ganeva
2007	Bug	Resolved	Normal	GUI->Instrument view-> entering floating point numbers	herck		0	09 Mar 2018 14:30	ganeva
2006	Feature	Resolved	Normal	Core: implement instrument type for depth probes (evanescent wave)	dmitry	Sprint 37	100	09 Mar 2018 09:00	pospelov
2005	Documentation	Resolved	Normal	Website: switch bornagainproject.org to the new website	pospelov	Sprint 37	0	09 Mar 2018 08:56	pospelov
2004	Documentation	Rejected	Normal	Website: style doxygen generated API to the new website			0	09 Mar 2018 08:50	pospelov
2003	Documentation	Resolved	Normal	Website: integrate doxygen generated API to Hugo			0	09 Mar 2018 08:49	pospelov
2002	Documentation	Resolved	Normal	Website: port all release letters	dmitry	Sprint 37	0	09 Mar 2018 08:49	pospelov
2001	Documentation	Resolved	Normal	Website: port "functionality overview" to Hugo	herck	Sprint 37	0	09 Mar 2018 08:47	pospelov
1999	Documentation	Resolved	Normal	Cleanup redmine wiki			50	07 Mar 2018 10:41	pospelov
1998	Bug	Rejected	Normal	Wrong number of samples displayed in distribution widget for cosine distribution		Sprint 37	0	05 Mar 2018 18:05	dmitry
1997	Bug	Resolved	Normal	GUI: fit view shows experimental/simulated data in different scale	herck	Sprint 37	0	02 Mar 2018 12:01	pospelov
1995	Refactoring	Resolved	Normal	Remove obsolete Find<library> files in cmake/generic/modules	herck	Sprint 37	0	02 Mar 2018 10:26	herck
1993	Bug	Resolved	Normal	Plot ticks are not updated if axes changed in real time view	pospelov		0	28 Feb 2018 17:45	dmitry
1991	Bug	Resolved	Normal	Cannot add real data to off-specular instrument	dmitry	Sprint 37	100	28 Feb 2018 16:12	dmitry
1989	Bug	Rejected	Normal	BornAgain crash after loading different project	herck	Sprint 36	0	28 Feb 2018 13:55	herck
1987	Refactoring	Resolved	Normal	Replace Qt's foreach with c++ range-based for loop	herck	Sprint 37	0	27 Feb 2018 15:28	herck
1986	Bug	Resolved	Normal	GUI: splitter between ColorMap and RealTimeWidget jumps on parameter tuning	pospelov	Sprint 36	0	27 Feb 2018 12:24	pospelov
1985	Bug	Resolved	Normal	Changing parameter in realtime view switches back to fitview	herck	Sprint 36	0	27 Feb 2018 12:21	herck
1983	Bug	Resolved	Normal	GUI crash on project close	pospelov	Sprint 36	0	27 Feb 2018 11:37	pospelov
1982	Bug	Resolved	Normal	GUI: fit of particles with size distributions causes negative values	pospelov	Sprint 36	0	27 Feb 2018 11:35	ganeva
1981	Bug	Resolved	Normal	BornAgain GUI: cannot fit beam parameters with distributions	dmitry	Sprint 36	0	27 Feb 2018 11:33	ganeva
1980	Bug	Resolved	Normal	GUI: fitting of incident angle	herck	Sprint 36	0	27 Feb 2018 11:30	ganeva
1979	Bug	Resolved	Normal	BornAgain GUI: cannot fit the constant background	dmitry	Sprint 36	0	27 Feb 2018 11:25	ganeva
1978	Bug	Resolved	Normal	GUI on mac os x: Number of MC points drops to zero	herck	Sprint 36	0	27 Feb 2018 11:20	ganeva
1977	Bug	Resolved	Normal	GUI on mac os x: Python script view window cannot be resized	pospelov	Sprint 36	0	27 Feb 2018 11:13	ganeva
1976	Bug	Resolved	Normal	BornAgain GUI style in Windows and MacOS is not flat anymore in Qt5.10	pospelov	Sprint 36	0	23 Feb 2018 09:00	pospelov
1974	Feature	Resolved	Normal	Provide full-fledged functionality for specular simulation in DomainSimulationBuilder	dmitry	Sprint 37	0	22 Feb 2018 13:15	dmitry
1973	Bug	Rejected	Normal	BornAgain functional tests fail under Python 3.6		Sprint 36	0	21 Feb 2018 13:39	dmitry
1970	Bug	Resolved	Normal	Rearrange directory structure of Win installer	herck	Sprint 36	0	20 Feb 2018 15:02	pospelov
1969	Feature	Resolved	Normal	Enable distribution of inclination angle in off-specular simulation	herck	Sprint 36	0	19 Feb 2018 16:18	herck

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1968	Documentation	Resolved	Normal	Website: finalize migration to Hugo based website	pospelov	Sprint 37	0	16 Feb 2018 14:24	pospelov
1967	Bug	Rejected	Normal	Real time view of specular doesn't work	herck	Sprint 36	0	16 Feb 2018 13:39	herck
1966	Bug	Resolved	Normal	GUI crash: switch project after job removal	herck	Sprint 36	0	16 Feb 2018 10:10	herck
1965	Testing	Resolved	Normal	Provide an example of fitting real reflectometry data with BornAgain	dmitry	Sprint 36	0	15 Feb 2018 18:47	dmitry
1964	Feature	Resolved	Normal	Provide "fair" unit conversions for specular data (including q-space)	dmitry	Sprint 37	0	15 Feb 2018 18:44	dmitry
1963	Documentation	Rejected	Normal	Website: web-link highlight in tables		Sprint 36	0	13 Feb 2018 17:55	dmitry
1962	Bug	Resolved	Normal	GUI crashes on recent project load	herck	Sprint 36	0	12 Feb 2018 15:06	dmitry
1961	Bug	Resolved	Normal	Numerous fixes for beam divergence and footprint	dmitry	Sprint 36	100	08 Feb 2018 09:41	dmitry
1960	Documentation	Resolved	Normal	Website: port "Troubleshooting and FAQ" to Hugo	herck	Sprint 36	0	07 Feb 2018 15:26	pospelov
1959	Documentation	Resolved	Normal	Website: port "Using Graphical User Interface" to Hugo	ganeva	Sprint 36	0	07 Feb 2018 15:24	pospelov
1958	Documentation	Resolved	Normal	Website: port "Working with Python scripts" to Hugo, part 4	dmitry	Sprint 36	100	07 Feb 2018 15:23	pospelov
1957	Documentation	Resolved	Normal	Website: port "Working with Python scripts" to Hugo, part 3	ganeva	Sprint 36	0	07 Feb 2018 15:23	pospelov
1956	Documentation	Resolved	Normal	Website: port "Working with Python scripts" to Hugo, part 2	dmitry	Sprint 36	100	07 Feb 2018 15:22	pospelov
1955	Feature	Resolved	Normal	Revise axes labels in all Python examples	herck	Sprint 36	0	06 Feb 2018 17:50	pospelov
1954	Refactoring	Resolved	Normal	Use new unit conversions from core in GUI	pospelov	Sprint 37	0	06 Feb 2018 15:54	herck
1953	Refactoring	Resolved	Normal	Refactor real space viewing library for easy integration into GUI and better maintenance	herck	Sprint 36	0	02 Feb 2018 16:15	herck
1952	Documentation	Resolved	Normal	Update "Accessing simulation results" tutorial	pospelov	Sprint 37	0	30 Jan 2018 09:33	herck
1951	Feature	Rejected	Normal	Apply new unit conversion machinery for SpecularSimulation	dmitry	Sprint 36	0	29 Jan 2018 12:05	dmitry
1950	Feature	Rejected	Normal	Investigate hdf5 as default format for BornAgain data files			0	29 Jan 2018 11:17	pospelov
1949	Refactoring	Resolved	Normal	Restrict usage of simulation results to result() method (remove the other ones)	herck	Sprint 36	0	26 Jan 2018 18:36	herck
1948	Feature	Resolved	Normal	Provide fourier transformation of simulated image in GUI	anikhalder	Sprint 36	0	26 Jan 2018 18:25	pospelov
1947	Feature	Resolved	Normal	Provide MaterialBySLD functional test	dmitry	Sprint 36	100	26 Jan 2018 11:09	pospelov
1946	Documentation	Resolved	Normal	Revise MaterialBySLD (user interface and documentation)	dmitry	Sprint 36	100	24 Jan 2018 10:12	dmitry
1945	Bug	Resolved	Normal	GUI: switch ColorMap label to scientific notation	pospelov	Sprint 36	0	23 Jan 2018 15:26	pospelov
1944	Bug	Resolved	Normal	GUI: provide automatic TotalSurfaceDensity update on lattice parameter change	pospelov	Sprint 36	0	23 Jan 2018 14:14	pospelov
1943	Refactoring	Resolved	Normal	Remove creation of simulation elements from SpecularDetector1D	dmitry	Sprint 36	100	18 Jan 2018 13:04	dmitry
1942	Documentation	Resolved	Normal	Website: port "Working with Python scripts" to Hugo, part 1	herck	Sprint 36	0	17 Jan 2018 18:14	pospelov
1941	Documentation	Resolved	Normal	Website: port Python examples section to Hugo	anikhalder	Sprint 36	0	17 Jan 2018 18:13	pospelov
1940	Documentation	Resolved	Normal	Website: port installation instructions to Hugo	herck	Sprint 37	0	17 Jan 2018 18:12	pospelov
1939	Refactoring	Rejected	Normal	Move the angle span from SpecularDetector1D to the beam			0	17 Jan 2018 14:05	dmitry

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1938	Feature	Resolved	Normal	Implement transform from domain for specular instrument	dmitry	Sprint 37	0	17 Jan 2018 09:17	pospelov
1937	Feature	Resolved	Normal	Implement export-to-Python for specular instrument	dmitry	Sprint 37	100	17 Jan 2018 09:16	pospelov
1936	Feature	Resolved	Normal	GUI: provide specular instrument type in GUI	dmitry	Sprint 36	0	17 Jan 2018 09:16	pospelov
1935	Feature	Resolved	Normal	GUI: create uniform icons for GISAS, OffSpec and Specular instruments	pospelov	Sprint 36	0	17 Jan 2018 09:15	pospelov
1934	Refactoring	Resolved	Normal	Move creation of simulation elements out of instrument/detector	herck	Sprint 36	0	16 Jan 2018 14:39	herck
1933	Feature	Resolved	Normal	Provide same functionality for offspecular simulation as for GISASSimulation	herck	Sprint 36	0	16 Jan 2018 14:22	herck
1932	Feature	Rejected	Normal	Implement rectangular detector for offspecular simulation	herck	Sprint 36	0	16 Jan 2018 14:22	herck
1931	Feature	Resolved	Normal	Implement footprint correction	dmitry	Sprint 36	100	15 Jan 2018 12:41	dmitry
1930	Refactoring	Resolved	Normal	Refactor OffSpecSimulation	herck	Sprint 36	0	15 Jan 2018 09:54	herck
1929	Feature	Resolved	Normal	Switch Python3 ON by default	herck	Sprint 36	0	09 Jan 2018 13:49	pospelov
1925	Refactoring	Resolved	Normal	Functional tests have become considerably slower starting from pull request #336	herck	Sprint 36	0	12 Dec 2017 18:19	herck
1922	Bug	Resolved	Normal	GUI: using tab after entering parameter value puts back the old value	pospelov	Sprint 36	0	07 Dec 2017 16:25	herck
1921	Feature	Resolved	Normal	Move GUI unit tests from QtTest to google test	pospelov	Sprint 36	0	07 Dec 2017 12:36	pospelov
1920	Feature	Resolved	Normal	Adapt BornAgain GUI for 4k displays			0	07 Dec 2017 11:51	pospelov
1919	Bug	Resolved	Normal	Entering negative values for delta/beta in MaterialEditor is not enabled	herck	Sprint 36	0	07 Dec 2017 10:20	herck
1917	Refactoring	Rejected	Normal	Find a better way to carry specular data from Fresnel map to SpecularSimulation	dmitry	Sprint 36	0	05 Dec 2017 11:02	dmitry
1914	Bug	Resolved	Normal	Lattice::reciprocalLatticeVectorsWithinRadius does not behave as expected	herck	Sprint 36	0	01 Dec 2017 15:28	herck
1912	Feature	Resolved	Normal	Provide combobox for background selection	herck	Sprint 36	0	30 Nov 2017 10:10	herck
1911	Bug	Resolved	Normal	Revise SessionItem::setData method	pospelov	Sprint 36	0	29 Nov 2017 18:09	pospelov
1910	Feature	Resolved	Normal	Employ 1D detector and get rid of virtual runSimulation in SpecularSimulation	dmitry	Sprint 36	100	28 Nov 2017 14:14	dmitry
1909	Feature	Resolved	Normal	Correctly provide translation of background to Python/GUI/domain	herck	Sprint 36	0	27 Nov 2017 12:30	herck
1908	Feature	Resolved	Normal	Add background option to GUI	herck	Sprint 36	0	27 Nov 2017 12:29	herck
1907	Feature	Resolved	Normal	Merge ComboProperty and GroupProperty	pospelov	Sprint 36	0	27 Nov 2017 09:22	pospelov
1906	Feature	Resolved	Normal	Add functional test for specular simulation	dmitry	Sprint 36	100	24 Nov 2017 12:35	dmitry
1905	Feature	Resolved	Normal	Provide access to minimizer catalogue from python	pospelov	Sprint 36	0	23 Nov 2017 09:50	pospelov
1904	Feature	Resolved	Normal	Replace MaterialProperty and ColorProperty with universal property	pospelov	Sprint 36	0	23 Nov 2017 08:59	pospelov
1902	Feature	Resolved	Normal	Add 1D detector for specular simulations	dmitry	Sprint 36	100	22 Nov 2017 10:49	dmitry
1901	Bug	Resolved	Normal	warnings from Gtk			0	19 Nov 2017 13:35	wuttke

#	Tracker	Status	Priority	Subject	Assignee	Target version	% Done	Created	Author
1900	Feature	Rejected	Normal	enable ^X ^C ^V ^Z ^A in GUI			0	19 Nov 2017 13:28	wuttke
1899	Feature	Rejected	Normal	Provide exemplary experimental data, and make them accessible from the GUI.			0	19 Nov 2017 13:26	wuttke
1898	Bug	Resolved	Normal	GUI: »New to BornAgain?« -> »Web docs«			0	19 Nov 2017 13:21	wuttke
1896	Bug	Rejected	Normal	cmake does not detect missing libboost-iostreams-dev			0	19 Nov 2017 13:07	wuttke
1895	Feature	Resolved	Normal	Make an IDetector base class independent on dimensionality of the detector	dmitry	Sprint 36	100	17 Nov 2017 12:49	dmitry
1892	Feature	Resolved	Normal	GUI: refactor instrument view for better appearance of polarization related widgets	pospelov	Sprint 36	0	14 Nov 2017 11:39	pospelov
1891	Bug	Resolved	Normal	GUI: crash in import data view when linking to instrument	pospelov	Sprint 36	0	14 Nov 2017 11:36	pospelov
1887	Refactoring	Rejected	Normal	Switch to new signal/slot mechanism in Qt (since c++11)			0	10 Nov 2017 16:40	herck
1886	Bug	Rejected	Normal	Average materials do not work if more than one layout is connected to the layer	herck	Sprint 36	0	10 Nov 2017 12:45	ganeva
1885	Feature	Resolved	Normal	BornAgain GUI should open a project even if image files are missing	pospelov	Sprint 36	0	10 Nov 2017 12:35	ganeva
1884	Feature	Resolved	Normal	Provide common interface for Simulation and SpecularSimulation	dmitry	Sprint 36	100	10 Nov 2017 10:39	dmitry
1883	Bug	Rejected	Normal	Make MaterialItem create proper type of material		Sprint 36	0	10 Nov 2017 10:30	dmitry
1882	Feature	Resolved	Normal	Provide material type functionality in GUI	pospelov	Sprint 36	100	10 Nov 2017 10:27	dmitry
1881	Refactoring	Resolved	Normal	Reduce SessionItem interface	herck	Sprint 36	0	10 Nov 2017 10:24	herck
1880	Documentation	Resolved	Normal	Provide example of new wavelength-independent material usage	dmitry	Sprint 36	100	08 Nov 2017 14:54	dmitry
1879	Feature	Resolved	Normal	Set default beam intensity to 1 instead of 0	herck	Sprint 36	0	08 Nov 2017 13:53	herck
1878	Feature	Resolved	Normal	GUI: provide prototype of ComponentEditor not relying on qtpropertybrowser framework	pospelov	Sprint 36	0	06 Nov 2017 15:29	pospelov
1877	Feature	Rejected	Normal	Revise Utils, Helper, Assistant and Functions usage in file names			0	02 Nov 2017 17:31	pospelov
1875	Bug	Resolved	Normal	Provide proper export to python for all flavours of materials	dmitry	Sprint 36	100	02 Nov 2017 12:22	dmitry
1874	Feature	Resolved	Normal	Provide a way to add background to simulated data	herck	Sprint 36	0	02 Nov 2017 11:13	pospelov
1873	Feature	Rejected	Normal	Consider incoherent scattering			0	27 Oct 2017 14:23	ganeva
1872	Bug	Resolved	Normal	Prevent user from creating mixed samples with mixed wavelength-dependent and wavelength-independent materials	dmitry	Sprint 36	100	25 Oct 2017 15:52	dmitry
1871	Bug	Resolved	Normal	Prevent using WavelengthIndependentMaterial in computations with material averaging or make universal averaging procedure	dmitry	Sprint 36	100	25 Oct 2017 15:20	dmitry
1870	Feature	Resolved	Normal	Implement export-to-Python for off-specular instrument	pospelov	Sprint 36	0	25 Oct 2017 10:14	pospelov
1869	Feature	Resolved	Normal	Implement transform from domain for off-specular instrument	pospelov	Sprint 36	0	25 Oct 2017 10:13	pospelov
1868	Feature	Resolved	Normal	GUI: provide off-specular instrument type in GUI	pospelov	Sprint 36	0	25 Oct 2017 10:11	pospelov
1867	Testing	Resolved	Normal	Provide functional test for translation of magnetic scattering properties	herck	Sprint 36	0	24 Oct 2017 16:53	herck

#	Tracker	Status	Priority	Subject	Assignee	Target version	% Done	Created	Author
1866	Feature	Resolved	Normal	GUI: provide correct translations for polarized scattering: GUI -> Python	herck	Sprint 36	0	23 Oct 2017 17:24	herck
1865	Feature	Resolved	Normal	GUI: provide correct translations for polarized scattering: domain -> GUI	herck	Sprint 36	0	23 Oct 2017 17:24	herck
1863	Configuration	Resolved	Normal	Fix changing of working directory by build script on Windows buildslave	herck	Sprint 36	0	18 Oct 2017 15:44	herck
1861	Feature	Resolved	Normal	Provide evaluation of SLD profile across the sample layers	herck	Sprint 41	0	17 Oct 2017 16:45	dmitry
1860	Feature	Resolved	Normal	Allow for instrument resolution in specular calculations	dmitry	Sprint 36	100	17 Oct 2017 16:22	dmitry
1859	Feature	Resolved	Normal	Implement fitting for specular signal simulations	dmitry	Sprint 36	100	17 Oct 2017 16:15	dmitry
1858	Feature	Resolved	Normal	Make possible using scattering length, number densities and scattering length densities as input material data	dmitry	Sprint 36	100	17 Oct 2017 16:08	dmitry
1856	Refactoring	Resolved	Normal	Refactor JobView to present JobItem uniformly	pospelov	Sprint 36	0	16 Oct 2017 18:45	pospelov
1855	Feature	Resolved	Normal	Modify installation instructions for Win and MacOS to stress forthcoming Python3 transition		Sprint 36	0	16 Oct 2017 11:04	pospelov
1854	Feature	Resolved	Normal	Provide Python3 based MacOS installer	pospelov	Sprint 36	0	16 Oct 2017 11:02	pospelov
1853	Feature	Resolved	Normal	Provide Python3 based Windows installer	herck	Sprint 36	0	16 Oct 2017 10:34	pospelov
1852	Documentation	Resolved	Normal	Remove Eigen3 dependency on BornAgain website before releasing		Sprint 36	0	13 Oct 2017 16:07	herck
1851	Configuration	Resolved	Normal	Review, define and configure build configurations on the buildserver	herck	Sprint 36	0	10 Oct 2017 12:16	herck
1850	Feature	Resolved	Normal	GUI: provide correct translations for polarized scattering: GUI -> domain	herck	Sprint 36	0	09 Oct 2017 16:37	herck
1849	Feature	Resolved	Normal	Provide materials with magnetization in GUI	herck	Sprint 36	0	09 Oct 2017 16:36	herck
1848	Feature	Resolved	Normal	GUI: provide polarized beam and polarization analysis for detector	herck	Sprint 36	0	09 Oct 2017 16:35	herck
1846	Feature	Resolved	Normal	Investigate the effort to implement 3d correlations of particles in DWBA	herck	Sprint 37	0	28 Sep 2017 13:57	herck
1845	Bug	Resolved	Normal	GUI: add and implement correct translators for the parameters of MesoCrystalItem	herck	Sprint 35	0	26 Sep 2017 15:46	herck
1844	Refactoring	Resolved	Normal	Verify composition hierarchy of IParticle types in GUI and core	herck	Sprint 35	0	25 Sep 2017 18:16	herck
1843	Feature	Resolved	Normal	Create icon for MesoCrystal in GUI (widget)	pospelov	Sprint 35	0	25 Sep 2017 18:14	herck
1842	Feature	Rejected	Normal	Improve simulation performance in the case of large detectors	dmitry	Sprint 36	0	19 Sep 2017 10:47	herck
1841	Feature	Resolved	Normal	Implement transform from domain to GUI for mesocrystals	herck	Sprint 35	0	18 Sep 2017 11:54	pospelov
1840	Feature	Resolved	Normal	Implement mesocrystals in GUI	herck	Sprint 35	0	18 Sep 2017 11:52	pospelov
1839	Feature	Resolved	Normal	Provide export to python script for domain objects containing mesocrystals	herck	Sprint 35	0	18 Sep 2017 11:46	pospelov
1838	Feature	Resolved	Normal	Create simplified MesoCrystal user example	herck	Sprint 35	0	15 Sep 2017 10:54	herck
1837	Documentation	Rejected	Normal	Prepare blender files for 3D form factor images rendering			0	13 Sep 2017 15:39	pospelov

#	Tracker	Status	Priority	Subject	Assignee	Target version	% Done	Created	Author
1836	Feature	Resolved	Normal	GUI: update qcustomplot library	pospelov	Sprint 35	0	13 Sep 2017 15:32	pospelov
1835	Refactoring	Resolved	Normal	Review/refactor slicing machinery	herck	Sprint 35	0	04 Sep 2017 15:57	herck
1834	Bug	Resolved	Normal	Python examples do not work in Jupiter notebook	pospelov	Sprint 35	0	11 Aug 2017 12:08	pospelov
1833	Documentation	Resolved	Normal	Create prototype of hugo-based documentation website.	pospelov	Sprint 35	0	03 Aug 2017 09:43	pospelov
1832	Bug	Resolved	Normal	Fitting example FitSphereInHexLattice runs suspiciously long	pospelov	Sprint 35	0	27 Jul 2017 18:08	pospelov
1831	Documentation	Resolved	Normal	Add top cap removal parameterization to documentation of truncated sphere and spheroid form factor	herck	Sprint 38	0	27 Jul 2017 14:12	herck
1830	Bug	Resolved	Normal	Integration over xi is not translated to Python for square and hexagonal lattices	herck	Sprint 35	0	26 Jul 2017 15:39	herck
1829	Feature	Resolved	Normal	Revise fresnel coefficients calculations in the case of Monte-Carlo integration	herck	Sprint 35	0	25 Jul 2017 15:31	pospelov
1828	Bug	Resolved	Normal	Simulation cloning might lead to segfault if SampleBuiler present	pospelov	Sprint 35	0	25 Jul 2017 12:26	pospelov
1827	Bug	Resolved	Normal	GUI: fix SessionModelDelegate for group property	pospelov	Sprint 35	0	20 Jul 2017 13:00	pospelov
1826	Feature	Rejected	Normal	GUI: revise all tooltips of InstrumentView	pospelov	Sprint 36	0	17 Jul 2017 17:25	pospelov
1825	Feature	Resolved	Normal	GUI: revise all tooltips of SampleView	pospelov	Sprint 35	0	17 Jul 2017 17:25	pospelov
1824	Feature	Resolved	Normal	Revise current Python examples	pospelov	Sprint 35	0	04 Jul 2017 13:33	pospelov
1823	Documentation	Resolved	Normal	Revise current list of Redmine issues	pospelov	Sprint 35	0	30 Jun 2017 15:38	pospelov
1822	Feature	Resolved	Normal	SWIG: how to report error details from the method overloaded in Python.			100	27 Jun 2017 17:03	pospelov
1821	Bug	Rejected	Normal	SpecularSimulation gives slightly different results compared to GISASSimulation with specular peak	herck	Sprint 34	0	23 Jun 2017 15:29	herck
1820	Documentation	Resolved	Normal	Provide Jülich logo on website	herck	Sprint 34	0	23 Jun 2017 12:21	herck
1819	Feature	Resolved	Normal	Review custom form factors after graded layer approximation	herck	Sprint 35	0	23 Jun 2017 12:17	herck
1818	Feature	Resolved	Normal	Investigate simulation performance in the case of large detectors	dmitry	Sprint 36	0	14 Jun 2017 09:04	pospelov
1816	Bug	Resolved	Normal	GUI: minimum value of particle density in particle layouts is fixed to 0.001, which is too strict	herck	Sprint 34	0	09 Jun 2017 22:39	herck
1815	Bug	Rejected	Normal	GUI: FitView sometimes stops fit progress update		Sprint 35	0	02 Jun 2017 16:20	pospelov
1814	Feature	Resolved	Normal	GUI: provide FitView with possibility to set same color scale for real and simulated data	pospelov	Sprint 36	0	02 Jun 2017 16:10	pospelov
1813	Feature	Resolved	Normal	GUI: pop-up modal progress bar dialog on project load	pospelov	Sprint 34	0	02 Jun 2017 15:52	pospelov
1812	Feature	Resolved	Normal	GUI: provide saving of project in separate thread	pospelov	Sprint 34	0	02 Jun 2017 15:49	pospelov
1811	Bug	Resolved	Normal	GUI: fitting of roughness parameters is broken for two layers systems	herck	Sprint 34	0	29 May 2017 09:05	pospelov
1810	Bug	Resolved	Normal	GUI: inconsistency in deg2rad conversion for angle distributions	pospelov	Sprint 34	0	26 May 2017 12:12	pospelov
1809	Bug	Resolved	Normal	Review cross correlation length of multi layer	herck	Sprint 34	0	19 May 2017 13:36	pospelov
1808	Feature	Resolved	Normal	GUI: restore all form factor tooltips	pospelov	Sprint 35	0	17 May 2017 14:27	pospelov

#	Tracker	Status	Priority	Subject	Assignee	Target version	% Done	Created	Author
1807	Feature	Resolved	Normal	Provide integration over xi for 2d lattice interference function	herck	Sprint 35	0	16 May 2017 15:24	herck
1806	Bug	Rejected	Normal	GUI: Zoom of imported data does not work after applying a mask or ROI	herck	Sprint 35	0	12 May 2017 11:07	ganeva
1804	Feature	Resolved	Normal	Implement FormFactorTrivial in GUI	herck	Sprint 35	0	10 May 2017 17:33	pospelov
1803	Feature	Resolved	Normal	Make plot_intensity_data util aware of current axes units	pospelov	Sprint 35	0	04 May 2017 17:34	pospelov
1802	Bug	Resolved	Normal	GUI: hexagonal lattice becomes square during simulation	herck		0	04 May 2017 11:02	herck
1798	Bug	Resolved	Normal	Provide check for negative absorption values	herck	Sprint 34	0	24 Apr 2017 16:29	pospelov
1797	Documentation	Resolved	Normal	Provide prototype of statically generated documentation based on GitHub pages	pospelov	Sprint 34	0	11 Apr 2017 08:35	pospelov
1796	Feature	Rejected	Normal	GUI: consider adding read only property 'Volume' to the form factor			0	07 Apr 2017 11:24	pospelov
1795	Feature	Resolved	Normal	GUI: make parametrization of FormFactorTruncatedSphere and FormFactorTruncatedSpheroid as in Core	herck	Sprint 35	0	07 Apr 2017 11:19	pospelov
1794	Bug	Rejected	Normal	GUI: minimizer settings wrongly loaded from project file			0	07 Apr 2017 09:55	pospelov
1793	Bug	Resolved	Normal	GUI: get rid of memory leakages in graphics widgets	pospelov	Sprint 34	0	06 Apr 2017 19:25	pospelov
1792	Bug	Rejected	Normal	Invalid memory access in MaskGraphicsScene destructor		Sprint 34	0	06 Apr 2017 17:24	pospelov
1791	Bug	Resolved	Normal	Python example FitGalaxiData became much slower	herck	Sprint 34	0	06 Apr 2017 15:33	pospelov
1790	Bug	Resolved	Normal	MacOS dmg installer contains garbage from libgtest	pospelov	Sprint 34	0	06 Apr 2017 15:17	pospelov
1789	Bug	Resolved	Normal	GUI: axes_range of color map	pospelov	Sprint 33	0	06 Apr 2017 08:31	ganeva
1788	Bug	Resolved	Normal	Numerical instability in triangular ripple form factor	dmitry	Sprint 35	100	05 Apr 2017 13:03	pospelov
1787	Feature	Resolved	Normal	Include option for specular peak in GUI	herck	Sprint 33	0	30 Mar 2017 15:17	herck
1786	Feature	Resolved	Normal	Switch source *.h *.cpp files to new version of header (copyright, authors)	pospelov	Sprint 36	0	30 Mar 2017 14:21	pospelov
1785	Feature	Resolved	Normal	Add graded layer approximation to GUI	herck	Sprint 33	0	27 Mar 2017 17:51	herck
1784	Refactoring	Resolved	Normal	Clean up code after implementation of graded layer approximation	herck	Sprint 33	0	27 Mar 2017 13:15	herck
1783	Feature	Resolved	Normal	GUI: get rid of ScientificDoubleProperty	pospelov	Sprint 36	0	22 Mar 2017 15:21	pospelov
1782	Feature	Resolved	Normal	GUI: provide restore project on GUI crash	pospelov	Sprint 33	0	22 Mar 2017 15:14	pospelov
1776	Bug	Resolved	Normal	SpecularSimulation gives wrong results when top layer is not vacuum	herck	Sprint 33	0	13 Mar 2017 13:15	herck
1774	Feature	Resolved	Normal	Check and document best way of handling magnetic materials under rotations	herck	Sprint 33	0	06 Mar 2017 17:08	herck
1772	Feature	Resolved	Normal	GUI: implement projections editor for ImportView widget	pospelov	Sprint 36	0	24 Feb 2017 14:32	pospelov
1771	Feature	Resolved	Normal	GUI: create FitProjectionsWidget to compare projections of real .vs. simulated data			0	24 Feb 2017 14:30	pospelov
1770	Feature	Rejected	Normal	support CBF data from A. Nent			0	21 Feb 2017 12:23	wuttke
1769	Feature	Resolved	Normal	support TIFF data from A. Nent		Sprint 33	0	21 Feb 2017 12:22	wuttke

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1767	Feature	Rejected	Normal	array operations for python custom form factor			0	17 Feb 2017 12:19	jmfisher
1765	Bug	Resolved	Normal	GUI: ExportToPython generates unsorted material labels.	pospelov	Sprint 34	0	13 Feb 2017 18:20	pospelov
1763	Feature	Resolved	Normal	Revise ParameterDistribution constructors and exceptions	pospelov	Sprint 33	0	01 Feb 2017 20:26	pospelov
1762	Feature	Resolved	Normal	GUI: create tooltips for interference function items	pospelov	Sprint 34	0	01 Feb 2017 09:23	pospelov
1759	Bug	Rejected	Normal	GUI: sample script view shows false warnings		Sprint 33	0	26 Jan 2017 09:47	pospelov
1753	Feature	Resolved	Normal	Create specular peak user example and functional test.	herck	Sprint 33	0	19 Jan 2017 12:10	pospelov
1752	Documentation	Archived	Normal	Create tutorial about multiple particle layouts.			0	19 Jan 2017 11:17	pospelov
1750	Feature	Rejected	Normal	Consider cleanup of Git repository to make it smaller in size			0	19 Jan 2017 10:41	pospelov
1748	Refactoring	Rejected	Normal	Consider IParameter storing the data by reference			0	18 Jan 2017 12:02	pospelov
1745	Bug	Resolved	Normal	GUI: resolution function for spherical detector doesn't affect simulation.	pospelov	Sprint 33	0	12 Jan 2017 17:26	pospelov
1740	Feature	Resolved	Normal	Implement polarized scattering on magnetic nanoparticles using the magnetization instead of the B-field	herck	Sprint 34	0	16 Dec 2016 11:29	herck
1738	Feature	Rejected	Normal	Rename files and classes in Multilayer to resolve ambiguity about "Matrix"			0	12 Dec 2016 16:40	wuttke
1735	Refactoring	Resolved	Normal	remove include guards from unit tests	wuttke		0	12 Dec 2016 09:43	wuttke
1732	Refactoring	Rejected	Normal	Optimization in innermost loop in RT computation	wuttke		100	12 Dec 2016 08:48	wuttke

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