

BornAgain - Envelope task #2419

Polarized - summary of tasks

20 Nov 2019 13:54 - dmitry

Status:	In Progress	Start date:	
Priority:	Normal	Due date:	
Assignee:	rbeerwerth	% Done:	0%
Category:	Reflectometry	Estimated time:	0.00 hour
Target version:			
Description			
<p>This issue covers a collection of issues related to polarized reflectivity. To the moment of writing this description, polarized reflectivity is enabled, but not validated / well-tested.</p> <p>ToF reflectivity required re-writing the computation engine, but the older engine is still in the repository and can be re-enabled in GISAS.</p> <p>As part of refactoring for the implementation of Nevot-Croce Roughness in scalar reflectivity (http://apps.jcns.fz-juelich.de/redmine/issues/2428), the magnetic implementation was also refactored. In order to revert back to the old engine, one has to return the old Strategy (now SpecularMagneticOldStrategy) in SpecularStrategyBuilder::build</p>			
Related issues:			
Related to BornAgain - Feature #2412: Adapt computation engine for polarized ...		Resolved	20 Nov 2019
Related to BornAgain - Feature #2413: Enable polarized reflectometry		Resolved	20 Nov 2019
Related to BornAgain - Feature #2414: Polarized: enable specular signal for p...		Backlog	20 Nov 2019
Related to BornAgain - Feature #2415: Polarized: validate reflectivity agains...		Backlog	20 Nov 2019
Related to BornAgain - Bug #2416: Polarized: Fix treatment of imperfect analy...		Backlog	20 Nov 2019
Related to BornAgain - Feature #2417: Polarized: support z-component of magne...		Backlog	20 Nov 2019
Related to BornAgain - Feature #2418: Polarized: support polarized reflectivi...		Backlog	20 Nov 2019
Related to BornAgain - Feature #726: Polarized: Provide numerically stable ca...		Resolved	09 Jul 2014

History

#1 - 20 Nov 2019 13:56 - dmitry

- Related to Feature #2412: Adapt computation engine for polarized ToF reflectometry added

#2 - 20 Nov 2019 13:57 - dmitry

- Related to Feature #2413: Enable polarized reflectometry added

#3 - 20 Nov 2019 13:57 - dmitry

- Related to Feature #2414: Polarized: enable specular signal for polarized GISAS added

#4 - 20 Nov 2019 13:57 - dmitry

- Related to Feature #2415: Polarized: validate reflectivity against other software added

#5 - 20 Nov 2019 13:57 - dmitry

- Related to Bug #2416: Polarized: Fix treatment of imperfect analyzers added

#6 - 20 Nov 2019 13:58 - dmitry

- Related to Feature #2417: Polarized: support z-component of magnetic field added

#7 - 20 Nov 2019 13:58 - dmitry

- Related to Feature #2418: Polarized: support polarized reflectivity in GUI added

#8 - 20 Nov 2019 14:48 - dmitry

- Related to Bug #2272: Reports from the school: coefficients are not scalar bug. added

#9 - 20 Nov 2019 15:23 - dmitry

- Related to Feature #726: Polarized: Provide numerically stable calculation of R,T coefficients for magnetic case added

#10 - 20 Nov 2019 16:55 - dmitry

- Description updated

#11 - 16 Apr 2020 08:44 - rbeerwerth

- Assignee set to rbeerwerth

#12 - 16 Apr 2020 17:13 - rbeerwerth

- Description updated

#13 - 18 Sep 2020 20:38 - wuttke

- Related to deleted (Bug #2272: Reports from the school: coefficients are not scalar bug.)

#14 - 19 Sep 2020 09:07 - wuttke

- Subject changed from Polarized reflectivity to Polarized - summary of tasks