

BornAgain - Bug #505

Investigate and possibly fix transformations for polarized mesocrystals

21 Nov 2013 14:39 - herck

Status:	Archived	Start date:	25 Nov 2013
Priority:	Normal	Due date:	
Assignee:	herck	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	Sprint 18		
Description			
Mesocrystal creates a formfactor that includes at the top level a transformation (eg. a rotation). It is however not clear if magnetic materials are treated correctly in this case (since the magnetic vector might also need to be changed)			
Subtasks:			
Bug # 512: Particles' magnetic materials are not transformed			Archived

History

#1 - 22 Nov 2013 12:52 - herck

- Assignee set to herck
- % Done changed from 0 to 70

The rotations are treated correctly now, except for the backtransformation of the matrix valued scattering amplitude in FormFactorCrystal (TODO line added).

#2 - 25 Nov 2013 16:20 - herck

- Status changed from Sprint to Resolved

The transformation of the magnetic material is now taken into account for mesocrystals. However, it would be more efficient to rotate the magnetic field for each particle's material before form factors are calculated.

#3 - 25 Nov 2013 16:23 - herck

- % Done changed from 70 to 100

#4 - 20 Dec 2013 11:15 - pospelov

- Status changed from Resolved to Archived