

## BornAgain - Feature #1275

Feature # 1289 (Rejected): == Instrument (beam, resolution, detector) ==

### Provide rectangle detector examples and functional tests

12 Jan 2016 14:13 - pospelov

<b>Status:</b>	Archived	<b>Start date:</b>	12 Jan 2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	pospelov	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Sprint 30		
<b>Description</b>			
<ul style="list-style-type: none"><li>• rewrite importGalaxyData example<ul style="list-style-type: none"><li>◦ think of publishing as drupal example</li></ul></li><li>• rewrite importMariaData example<ul style="list-style-type: none"><li>◦ think of publishing as drupal example</li></ul></li><li>• modify plots for drupal tutorials to display direction of phi, alpha angles; put there the case <math>\alpha_{\min} &lt; 0.0</math></li><li>• implement fitting for rectangular detector case</li><li>• create new RectangularDetector tutorial section demonstrating the difference between RectangularDetector and SphericalDetector in realistic geometry<ul style="list-style-type: none"><li>◦ this also will cover questions related to import of real data</li></ul></li><li>• revive MesoCrystal fitting on the base of RectangularDetector to make sure that corresponding machinery is actually ok</li><li>• provide RectangularDetector simulation functional test (perpendicular to sample, to direct/reflected beam; validation against reference files)</li><li>• provide RectangularDetector fitting functional test</li><li>• implement new version of GISASSimulation::getIntensityData which will returns modified version of Histogram2D<ul style="list-style-type: none"><li>◦ if there is a masked area, the resulting histogram should show minimal (shrunked) area corresponding to all unmasked detector bins</li><li>◦ think of having getIntensityData(IN_MM   IN_DEG   IN_RAD   IN_Q)</li></ul></li></ul>			

### History

**#1 - 02 Feb 2016 11:23 - wuttke**

- Parent task set to #1289

**#2 - 10 Feb 2016 16:26 - pospelov**

- Status changed from Sprint to Resolved

finally

**#3 - 15 Feb 2016 16:01 - pospelov**

- Status changed from Resolved to Archived