

## BornAgain - Feature #2018

### Revise RealDataItem and the way it handles cropped experimental data

19 Mar 2018 14:31 - pospelov

<b>Status:</b>	Resolved	<b>Start date:</b>	19 Mar 2018
<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 37		

#### Description

In Core/FitSuite we expect real data to be the same size as the detector.

Later on, FitSuite::getRealData and FitSuite::getSimulationData returns to the user histograms, cropped to the region of interest (if exists).

However, GUI's RealDataItem (on board of JobItem) stores already cropped data. That leads to unsafe code in FitObject::createRealDataHistogram(), FitObject::init\_dataset() and FitObject::prepareFitElements()

One possible solution is to make RealDataItem always store uncropped data + ROI (for plotting). Possible drawback: huge project size.

#### History

**#1 - 13 Apr 2018 13:01 - pospelov**

- Assignee set to pospelov

**#2 - 16 Apr 2018 15:57 - pospelov**

- Status changed from Sprint to Resolved