

BornAgain - Refactoring #1490

Feature # 964 (Rejected): === GUI ===

GUI: refactor JobView and IntensityData widgets

01 Jul 2016 13:48 - pospelov

Status:	Resolved	Start date:	01 Jul 2016
Priority:	Normal	Due date:	
Assignee:	pospelov	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	Sprint 33		

Description

- ~~get rid of ColorMapPlot~~
- ~~create new widget for projections~~
 - ~~take care of auto margins in QCustomPlot~~
- equip ColorMapCanvas with uniform right-mouse-button context menu
 - introduce same context menu in ImportDataView, FitComparisonWidget for uniformity
- ~~Split presentation of intensity data on 3 types: ColorMap, Projection, FitData~~
- ~~take care that hidden presentation types do not receive signals and so do not degrade performance (!)~~
 - ~~this can be probably done centrally on the level of SessionItemWidget~~
- **almost bug** ColorMapPlot should be functional if it's IntensityDataItem suddenly has OutputData<double> pointer to be zero.
 - Think of removal IntensityDataItem::getOutputData, ColorMapPlot shouldn't be aware of OutputData<double> and should work only with IntensityDataItem
 - Make IntensityDataItem generating correct (size of axes and zero amplitudes) OutputData in the case of failed Job
 - Think of switching of IntensityDataItem to Histogram2D instead of OutputData<double>
- Change AmplitudeAxisItem's min and max to rely on ScientificDouble
- Take care of ColorMap's status string, which should give scientific notation in amplitudes

History

#1 - 12 Jul 2016 23:20 - pospelov

- Status changed from Backlog to Sprint
- Target version set to Sprint32

#2 - 14 Jul 2016 15:25 - pospelov

- Description updated

#3 - 05 Aug 2016 10:07 - ganeva

Bug in the widget for projections: units in projections are not changed according to the units of the plot. To reproduce: run simulation for one of the predefined samples (better with rectangular detector), go to 'Job view', switch on projections, change plot units in the 'Plot properties'.

#4 - 11 Nov 2016 08:47 - pospelov

- Target version changed from Sprint32 to Sprint 33

#5 - 14 Feb 2017 09:20 - pospelov

- Assignee set to pospelov

#6 - 17 Feb 2017 09:07 - pospelov

- Description updated

#7 - 24 Feb 2017 13:48 - pospelov

- *Description updated*

- *Status changed from Sprint to Resolved*

New projections widget is created. Small things (uniform context menu, ColorMap 'logz' context string, z-axis min/max as ScientificDoubleProperty) are written down here http://apps.jcnz.fz-juelich.de/redmine/projects/bornagain/wiki/Usability_issues_required_fixes_ and will be resolved another time.