

## BornAgain - Feature #1878

### GUI: provide prototype of ComponentEditor not relying on qtpropertybrowser framework

06 Nov 2017 15:29 - pospelov

<b>Status:</b>	Resolved	<b>Start date:</b>	06 Nov 2017
<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 36		
<b>Description</b>			
Provide replacement of Component Editor for SampleView and similar.			
<ul style="list-style-type: none"><li>• To make whole application more QAbstractItemModel like</li><li>• To remove qtpropertybrowser framework (20k loc)</li><li>• To get rid from ugly layer because of ComponentEditor (2k loc)</li><li>• To potentially simplify real time tuning widget (no LinkedItem)</li><li>• To switch SessionItem editors without affecting back compatibility (ScientificDoubleProperty problem)</li></ul> and many little features, like setting number of digits on the fly			
<b>Steps</b>			
<ul style="list-style-type: none"><li>• Prove that QTreeView working on SessionModel can be styled exactly as QTreeView from qtpropertybrowser framework propertybrowser framework looks fancy and it would be pity to loose this look and feel</li><li>• Find solution to exclude extra level introduced by GroupProperty<ul style="list-style-type: none"><li>◦ Get rid from GroupProperty?</li><li>◦ Special QAbstractProxyModel?</li><li>◦ Special SessionModel-like wrapper?</li><li>◦ Temporary model generated explicitly for editor's purposes?</li></ul></li><li>• Replace component editor everywhere except InstrumentView</li><li>• Introduce SessionItem editor role</li><li>• Provide possibility to switch between scientific/normal double editing on the fly</li><li>• Remove SceintificDoubleProperty</li><li>• Replace ColorProperty and MaterialProperty with universal EditorProperty</li></ul>			
<b>Further actions</b>			
<ul style="list-style-type: none"><li>• Develop "flat" version of ComponentEditor intended for InstrumentView and similar. QModelMapper can be our friend here</li><li>• Remove qtpropertybrowser framework from dependencies.</li></ul>			

### History

#1 - 16 Nov 2017 17:42 - pospelov

- Description updated

#2 - 23 Nov 2017 18:48 - pospelov

- Status changed from Sprint to Resolved

All editors replaced.

At the end of the sprint one have to remove qtpropertybrowser framework and clean

GUI/coregui/Views/PropertyEditor from all Obsolete\* files.