**Test script for the initial view feature**

The initial view for a data set is determined in two steps:

* First we check in the *Mantid.user.properties* file for a setting *vsi.initialview.*This can be
  + vsi.initialview = STANDARD
  + vsi.initialview = MULTISLICE
  + vsi.initialview = THREESLICE
  + vsi.initialview = SPLATTERPLOT
* Secondly, if the user has not specified such a global setting, then we take a “best” guess at what the initial view should be. We check in the workspace for the instrument with which the workspace was measured and retrieve the associated list of techniques. We have a precedence list for mapping techniques to views:
  1. If exists “Single Crystal Diffraction” 🡪 SPLATTERPLOT
  2. Else if exists: “Neutron Diffraction” 🡪 SPLATTERPLOT
  3. Else if exists : any string with “Spectroscopy” 🡪 MULTISLICE
  4. Else STANDARD
* If the data set does not have an instrument setting and no *Mantid.user.properties* entry, we provide the STANDARD view.
* If the workspace is of type MDHisto, and the initial view is set to SPLATTERPLOT, we load into STANDARD.

For testing the initial view feature, we require workspaces with appropriate instrument IDs. Find attached the following workspaces with their view-mapping:

* MDHisto\_Merlin 🡪MULTISLICE
* MDEvent\_Osiris🡪SPLATTERPLOT
* MDHisto\_Osiris🡪STANDARD
* MDEvent\_Larmor🡪STANDARD
* MDHisto\_Larmor🡪STANDARD

**Testing workspace-dependent initial views**

1. Make sure that there is no user setting with the name *vsi.initialview.*
2. Load the workspace MDHisto\_Merlin into the VSI
   1. Confirm that the workspace was loaded into the MULTISLICE view.
3. Delete the source in the VSI
4. Load the workspace MDHisto\_Osiris into the VSI
   1. Confirm that the workspace was loaded into the STANDARD view.
5. Delete the source in the VSI
6. Load the workspace MDEvent\_Osiris into the VSI
   1. Confirm that the workspace was loaded into the SPLATTERPLOT view.
7. Delete the source in the VSI
8. Load the workspace MDHisto\_Larmor into the VSI
   1. Confirm that the workspace was loaded into the STANDARD view
9. Delete the source in the VSI

**Testing initial view with user setting enabled**

For the next bit, you will have to make changes to the *Mantid.user.properties* file. To make them have effect, you need to restart Mantid.

1. Open your *Mantid.user.properties* file and add the field *vsi.initialview=STANDARD*. Restart Mantid.
2. Load the workspace MDHisto\_Merlin
   1. Confirm that the workspace was loaded into STANDARD view.
3. Delete the source in the VSI
4. Load the workspace MDEvent\_OSIRIS into the VSI
   1. Confirm that the workspace was loaded into STANDARD view.
5. Delete the source in the VSI
6. Open your *Mantid.user.properties* file and add the field *vsi.initialview=MULTISLICE.*  Restart Mantid.
7. Load the workspace MDEvent\_OSIRIS into the VSI
   1. Confirm that the workspace was loaded into MULTISLICE view. Note that this might cause a lag. I noticed a lag for 4D MDEvent data in the Multislice view. This will be addressed in a separate ticket (not caused by these changes).
8. Delete the source in the VSI
9. Open your *Mantid.user.properties* file and add the field *vsi.initialview=SPLATTERPLOT.* Restart Mantid.
10. Load the workspace MDHisto\_Merlin into the VSI
    1. Confirm that the workspace was loaded into STANDARD view.
11. Delete the source in the VSI