

VNMRJ Customization of Experiments Menu

The top menu items are all activated by text files that reside in */vnmr/templates/vnmrj/interface* directory. One particular menu item of importance is the Experiments menu that user may want to edit for adding new experiments to show up. The file that controls in the above said directory is *MainMenuExpts.xml*. A good example is the addition of AP checks of BP item. A typical portion of the *MainMenuExpts.xml* file is given below:

```
<?xml version='1.0' encoding='us-ascii'?>

<!--

! @(#)MainMenuExpts.xml 4.9 11/05/05 Copyright (c) 1998-2005 Varian, Inc. All Rights Reserved

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-->

<mainmenu>

    <mchoice label = "Proton" vc = "Proton"

        style="Menu3"

        show="exists('s2pul','psglib'):SSHOW"

    />
```

In the above the name Proton appears as the label is called proton. Clicking this field executes the command (macro set by vc field) Proton to set up the experiment .

One could add a submenu so that that submenu shows more experiments as in BioPack Water Suppression Experiments etc...

```

<subfilemenu label = "AP Checks of BP"

    show="findxmlmenu('APchecks.xml','show'):$SHOW"

    file="findxmlmenu('APchecks.xml','file'):$VALUE"

    style="Menu4"

/>

```

The above is the section that defines the AP Checks of BP item in the Experiments menu. The label value can be different from the actual file name. The label is a pointer to another file *APchecks.xml* which should be placed in */vnmr/templates/vnmrj/interface* directory. This file will define the actual experiments and the macro calls to set them up:

APchecks.xml

```

<?xml version='1.0' encoding='us-ascii'?>

<!--

! @(#)APcheck.xml 11/16/07 Nagarajan Murali

!

!

-->

```

```

<mainmenu>

```

```

    <mchoice label = "pWH calibration Hi power"

    vc = "APpWH_hipwr"

        font="Menu1" style="Menu1" point="Menu1" fg="Menu1"

    />

```

```

    <mchoice label = "pWH calibration Lo power "

    vc = "APpWH_lopwr"

        font="Menu1" style="Menu1" point="Menu1" fg="Menu1"

    />

```

```

<mchoice label = "C - offset calibration"

```

```
vc = "APdof_C"

font="Menu1" style="Menu1" point="Menu1" fg="Menu1"

/>

<mchoice label = "pwC calibration Hi power"

vc = "APpwC_hipwr"

font="Menu1" style="Menu1" point="Menu1" fg="Menu1"

/>

<mchoice label = "pwC calibration lo power"

vc = "APpwC_lopwr"

font="Menu1" style="Menu1" point="Menu1" fg="Menu1"

/>

<mchoice label = "pwC1 check"

vc = "APpwC1_check"

font="Menu1" style="Menu1" point="Menu1" fg="Menu1"

/>

<mchoice label = "pwC2 check"

vc = "APpwC2_check"

font="Menu1" style="Menu1" point="Menu1" fg="Menu1"

/>

<mchoice label = "offC2 check"

vc = "APoffC2_check"

font="Menu1" style="Menu1" point="Menu1" fg="Menu1"

/>

<mchoice label = "offC3 check"

vc = "APoffC3_check"
```

```
font="Menu1" style="Menu1" point="Menu1" fg="Menu1"
/>
<mchoice label = "offC4 check"
  vc = "APoffC4_check"
  font="Menu1" style="Menu1" point="Menu1" fg="Menu1"
/>
<mchoice label = "offC5 check"
  vc = "APoffC5_check"
  font="Menu1" style="Menu1" point="Menu1" fg="Menu1"
/>
<mchoice label = "offC6 check"
  vc = "APoffC6_check"
  font="Menu1" style="Menu1" point="Menu1" fg="Menu1"
/>
<mchoice label = "offC7 check"
  vc = "APoffC7_check"
  font="Menu1" style="Menu1" point="Menu1" fg="Menu1"
/>
<mchoice label = "offC8 check"
  vc = "APoffC8_check"
  font="Menu1" style="Menu1" point="Menu1" fg="Menu1"
/>
<mchoice label = "offC9 check"
  vc = "APoffC9_check"
  font="Menu1" style="Menu1" point="Menu1" fg="Menu1"
```

```
    />
<mchoice label = "offC10 check"
    vc = "APoffC10_check"
    font="Menu1" style="Menu1" point="Menu1" fg="Menu1"
/>
<mchoice label = "offC13 check"
    vc = "APoffC13_check"
    font="Menu1" style="Menu1" point="Menu1" fg="Menu1"
/>
<mchoice label = "offC17 check"
    vc = "APoffC17_check"
    font="Menu1" style="Menu1" point="Menu1" fg="Menu1"
/>
<mchoice label = "offC27 check"
    vc = "APoffC27_check"
    font="Menu1" style="Menu1" point="Menu1" fg="Menu1"
/>
<mchoice label = "COCB decoupling check"
    vc = "APcocbdec_check"
    font="Menu1" style="Menu1" point="Menu1" fg="Menu1"
/>
<mchoice label = "WURST140 decoupling check"
    vc = "APwurst140_check"
    font="Menu1" style="Menu1" point="Menu1" fg="Menu1"
/>
```

</mainmenu>

If one doesn't want to make global changes then a local customization in a particular user a/c may also be implemented. One would then copy the file *MainMenuExpts.xml* from */vnmr /...* directory to *~/vnmrsys/templates/vnmrj/interface* directory and edit there.

For example, cd to *vnmrsys/templates/vnmrj/interface* and issue *cp APMainMenuExpts.xml MainMenuExpts.xml*. This updates the pull-down Experiments menu in VNMRJ and shows the line AP checks of BP.