

NMR data processing software

Delta

NMR Software

v5.0



# 氢谱同核去耦

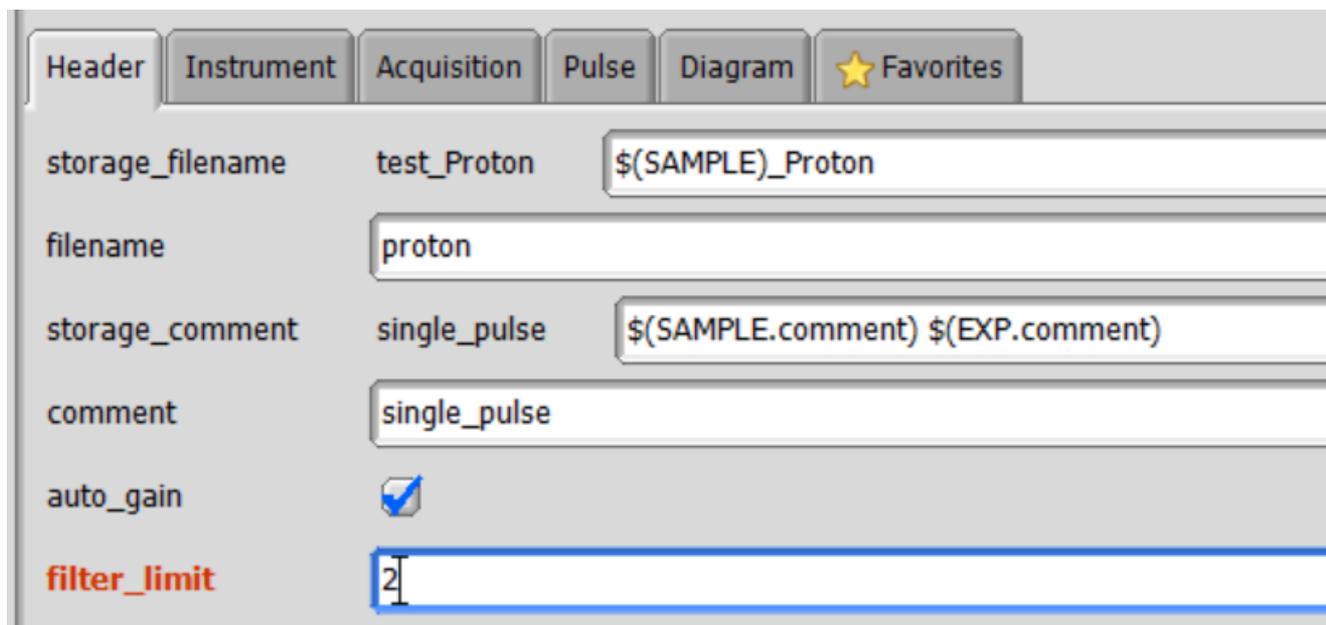


氢谱中同核去耦即为消除自旋耦合产生的信号，可以直接在氢谱的扩展序列增加homo decoupling实现。设置步骤如下：

①添加氢谱→②打开脉冲编辑→③在pulse的扩展序列中更改irr\_mode为Homo Decouple模式，在irr\_offset处输入待消除自旋耦合作用的峰的化学位移；

The screenshot shows the 'Pulse' tab in the Bruker software interface. The current pulse sequence is 'irr\_presaturation & homo spin decoupling'. The 'irr\_mode' parameter is set to 'Homo Decouple'. The 'irr\_offset' parameter is set to '2.5[ppm]', with a red arrow pointing to the text and the note '直接输入请注意添加单位“[ppm]”'. The 'irr\_domain' is set to 'Proton'. The 'irr\_atn\_default' and 'irr\_attenuator' are both set to '67.4796[dB]'. Below this section, the 'tri\_presaturation & homo spin decoupling' section is visible, with 'tri\_mode' set to 'Off'.

④另需要在Header中设置filter\_limit为2-4。



The screenshot shows a software interface with a 'Header' tab selected. The interface contains several input fields and checkboxes. The 'filter\_limit' field is highlighted with a blue border and contains the value '2'. Other fields include 'storage\_filename' (test\_Proton), 'filename' (proton), 'storage\_comment' (single\_pulse), 'comment' (single\_pulse), and 'auto\_gain' (checked).

Parameter	Value
storage_filename	test_Proton
filename	proton
storage_comment	single_pulse
comment	single_pulse
auto_gain	<input checked="" type="checkbox"/>
<b>filter_limit</b>	<b>2</b>

\* 如还需对另一位置进行去耦，可在tri\_mode中添加设置。