

QtiSAS v. 2023-01-24

QtiSAS | Preferences | QtiSAS | Image+Project :: Image Format

✓ [1.1] PDF-Image format is added; graphs are saved like a image

QtiSAS | Print Preview | [Scale Layers to paper size]

√ [1.2] scaling and positioning is improved

Fit.Curve(s) | Pasting to the active graph of the table of datasets and parameters

✓ [1.3] the table of datasets and parameters contains now "paste" button in the corner header cell



QtiSAS | DAN v. 2023-01-24

DAN | Options

✓ [2.1] SAS-detector could be ROTATED around the sample position. Detector rotation angles around the sample position (within horizontal and vertical planes) are integrated into data analysis algorithms.

DAN | Rawdata Tools | Info Extractor

√ [2.2] selection of the subfolder is implemented

DAN | Rawdata Tools | Image(s) to Info-Matrix

✓ [2.3] added a new button to add block of matrixes from an active table

DAN | Data Processing | Options :: [1D] | I[Q] :: Radial Averaging :: Method

✓ [2.4] linear merging option is implemented; progressive merging is optimized [during a single detector image radial averaging]

DAN | Data Processing | Options :: Script Table

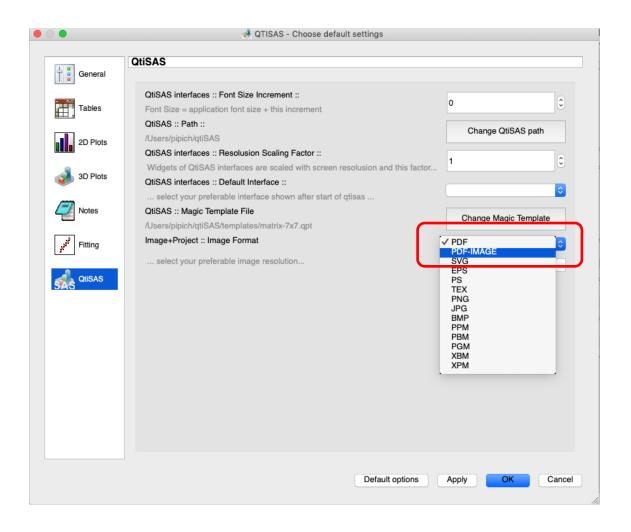
- √ [2.5] check-boxes are re-ordered to several groups;
- ✓ [2.6] implemented buttons for the absolute factor calculation within the current script table (in the case of the direct beam absolute calibration) and transmission calculation

DAN | Merge | Merge by Re-Binning

✓ [2.7] second way of merging implemented in the DAN-SANS. Re-binning with pre-defined steps in the q-space (linear or logarithmic) is possible. This is specially important by merging of the TOF channels.

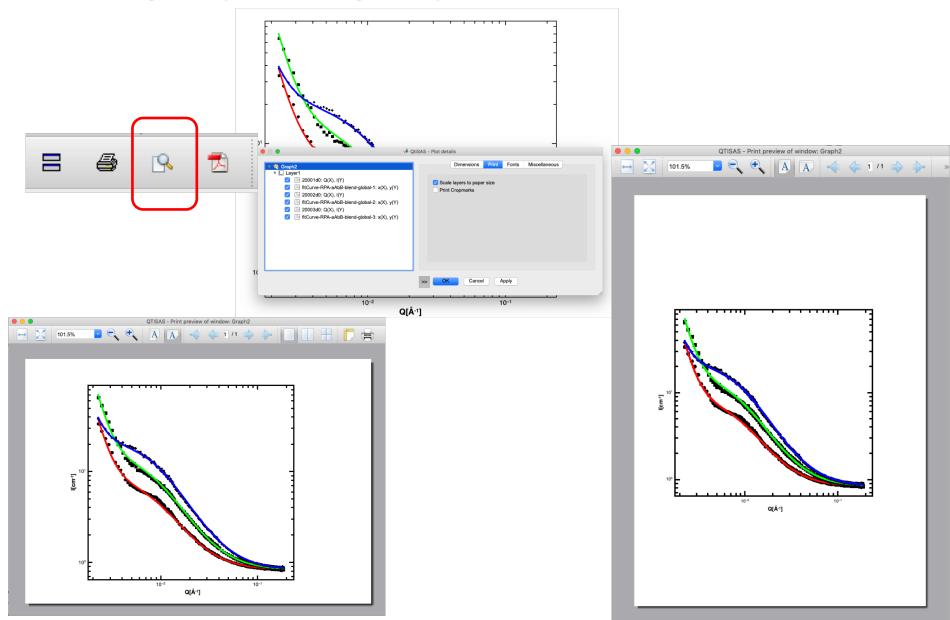
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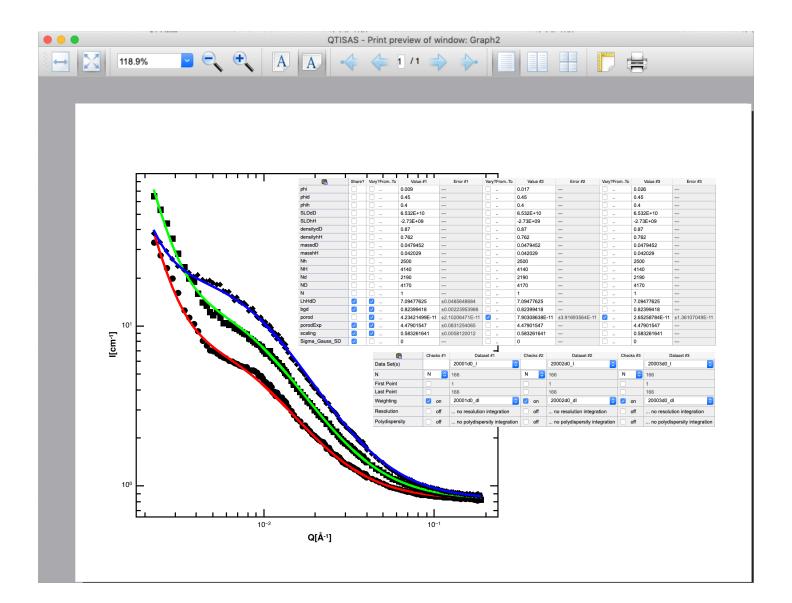
QtiSAS | Print Preview | [Scale Layers to paper size]

[1.2] scaling and positioning is improved



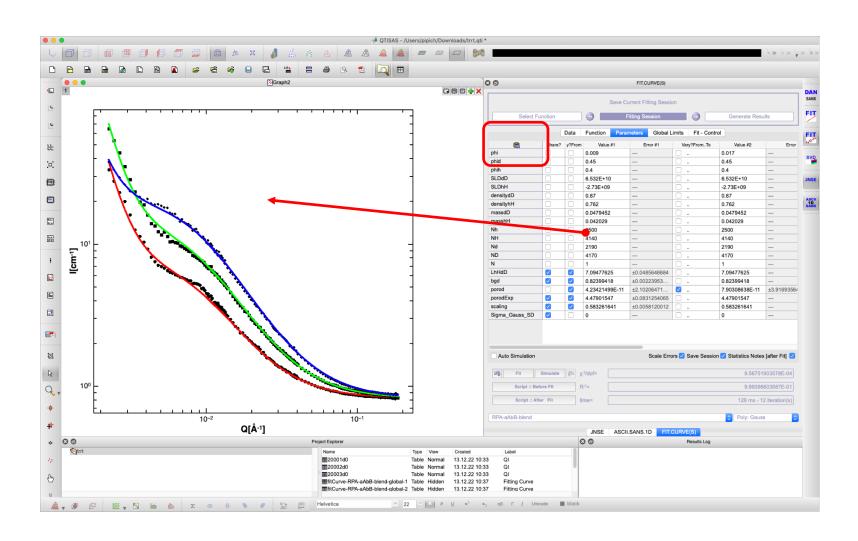
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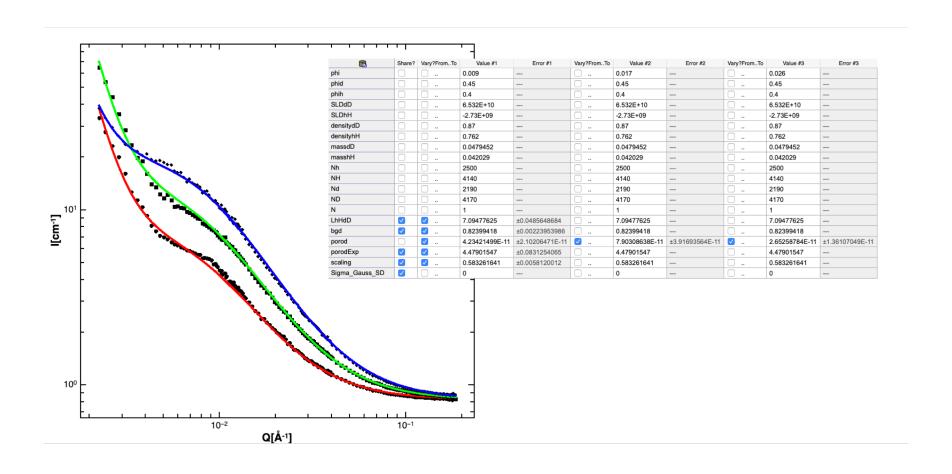


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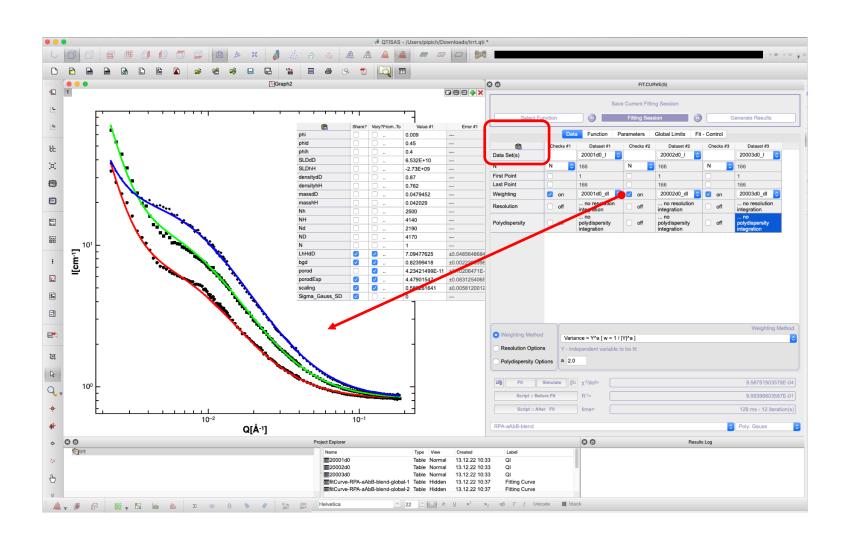


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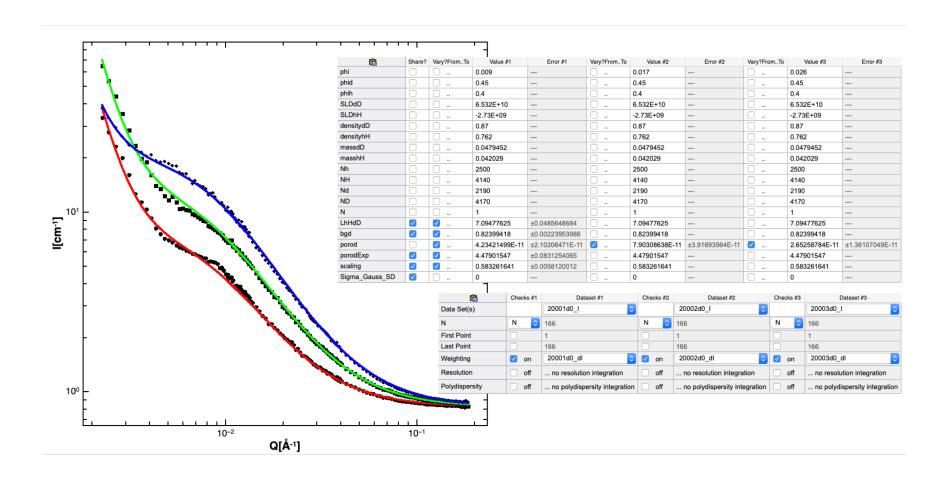


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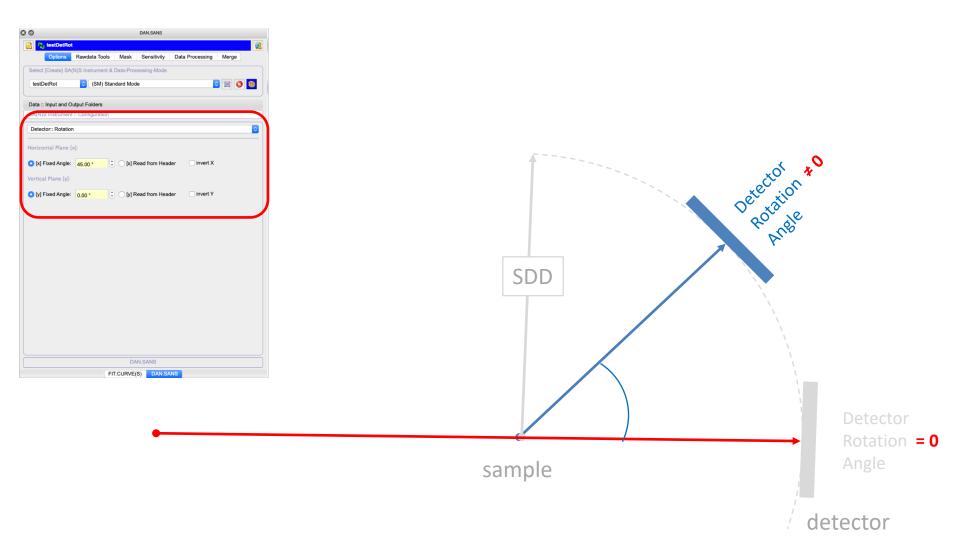


Fit.Curve(s) | Pasting to the active graph of the table of datasets and parameters [1.3] the table of datasets and parameters contains now "paste" button in the corner header



DAN | Options

[2.1] SAS-detector could be placed off-direct-beam. Detector rotation angles around a sample position (within horizontal and vertical planes) are integrated into data analysis algorithms

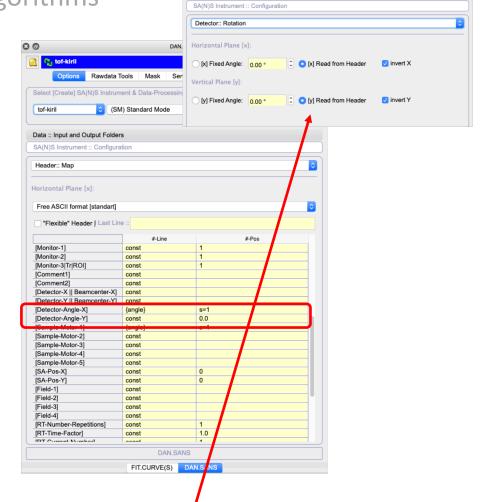


DAN | Options

[2.1] SAS-detector could be placed off-direct-beam. Detector rotation angles around a sample position (within horizontal and vertical planes) are integrated into data analysis algorithms

or

8 9 (testDetRot Options Rawdata Tools Mask Sensitivity Data Processing Merge Select [Create] SA(N)S Instrument & Data-Processing-Mode (SM) Standard Mode testDetRo Data :: Input and Output Folders Detector:: Rotation (x) Fixed Angle: 45.00 ° [x] Read from Header invert X Verti al Plane [v]: (y) Fixed angle: 0.00 ° [y] Read from Header DAN.SANS FIT.CURVE(S) DAN.SANS



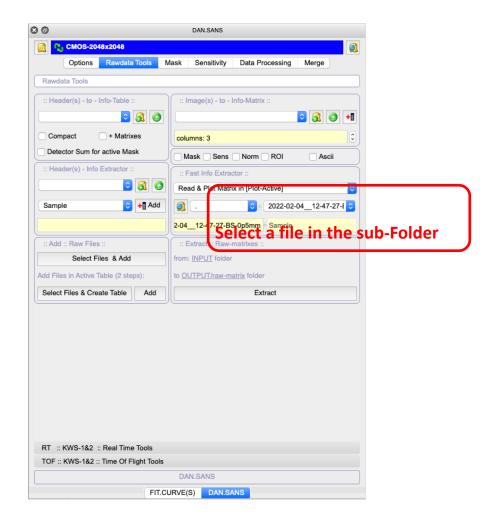
Detector rotation angles cold be fixed

readable from the headers...

DAN | Rawdata | Info Extractor

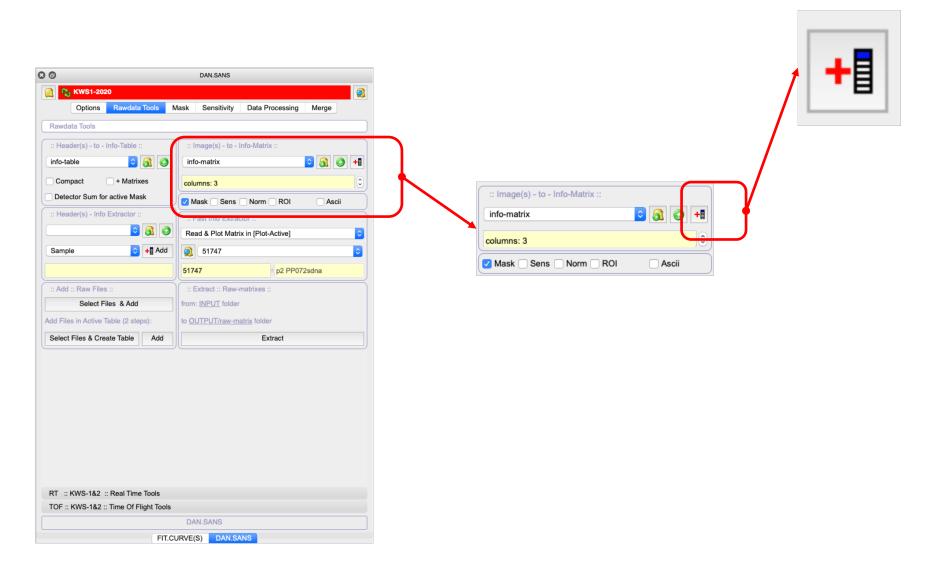
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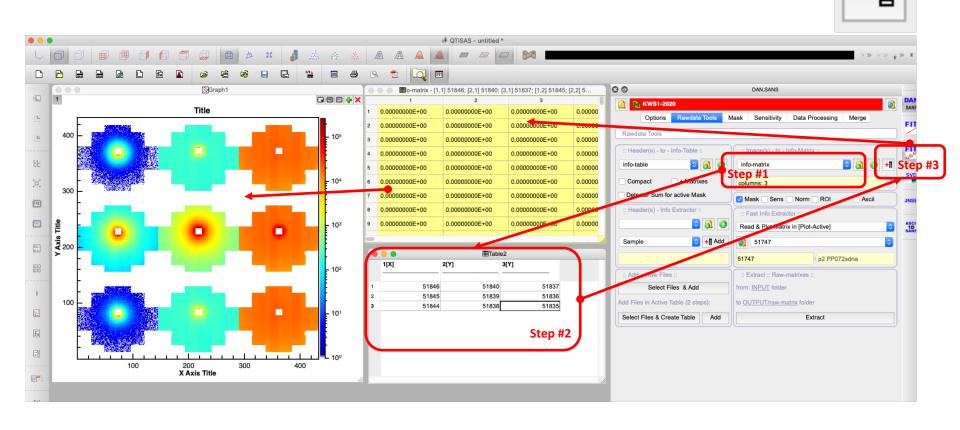
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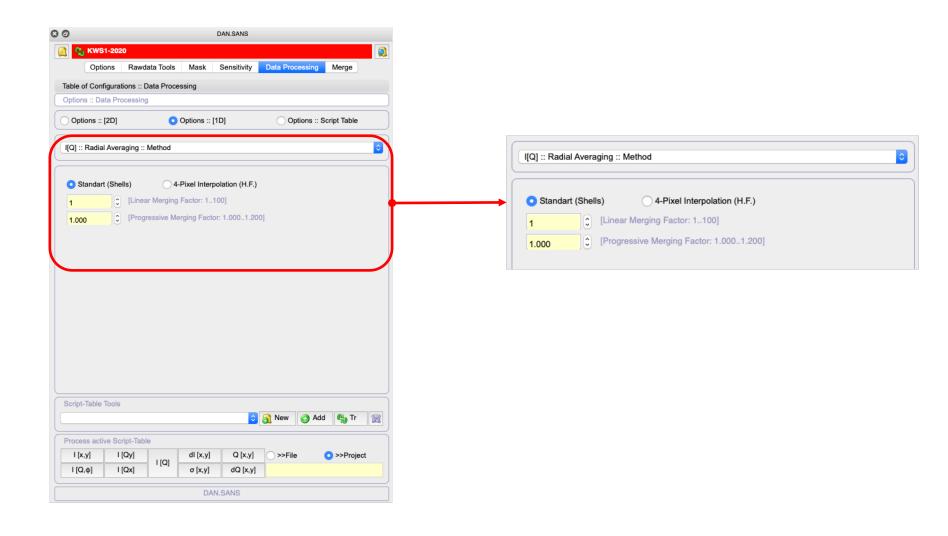
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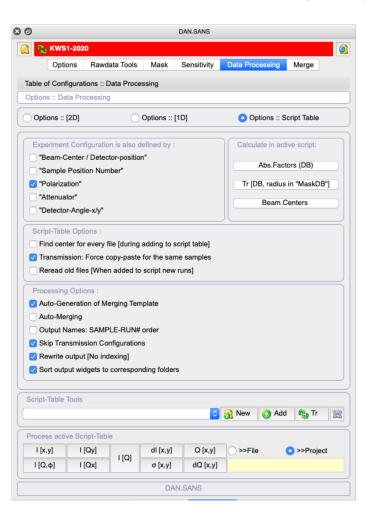
- #1 creation of the empty matrix with defined number of column ["info-matrix"]
- #2 manually filling of the table with run-numbers
- #3 pushing of the NEW button
- #4 plotting of the ["info-matrix"]

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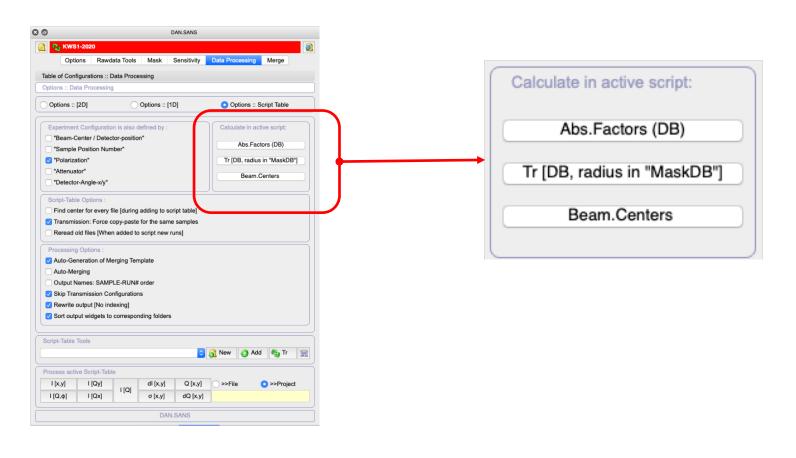
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Active Table define list of Runs to merge

