

LISE ++ cute : v.17.15.13



From 08/24/25

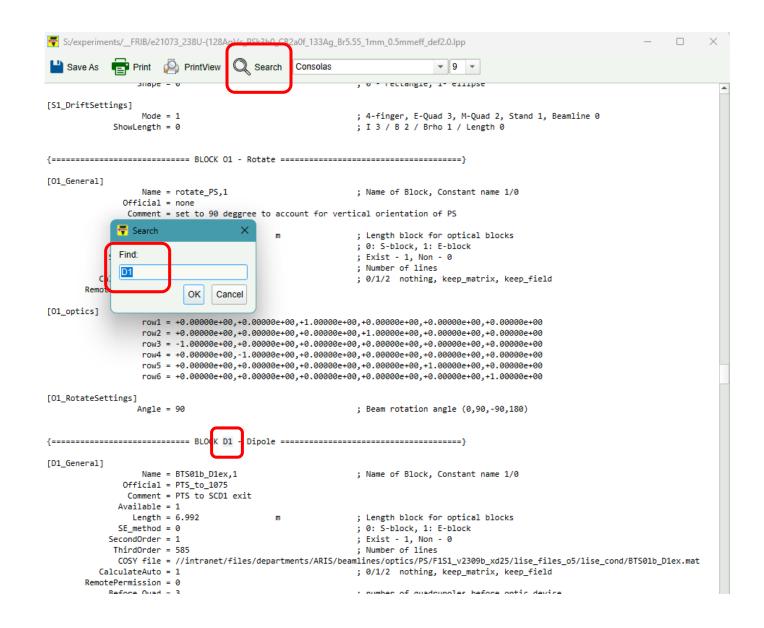
- File / text viewer: limit raised, search
- Threshold option for labels in 2D plots (mode=20).
- Update of Dialog and Gauge parent pointers
- Block ID: displayed in Setup dialog, Block ID read/write revision in Config files



File/Text viewer



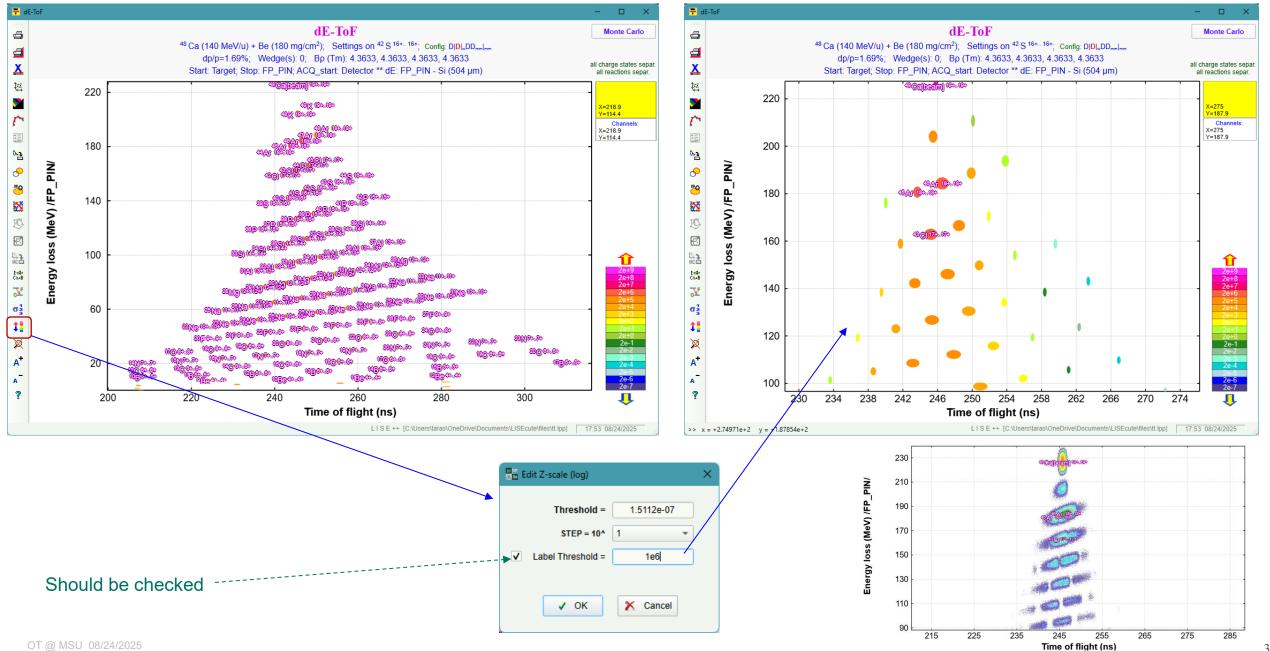
- File viewer limit raised (up to 100,000 lines / 50 MB); supports larger files
- Added search in file/text viewer (F3 next, Shift+F3 previous, wrap-around)





Implementation of Thresholds for plotting labels in 2D plots



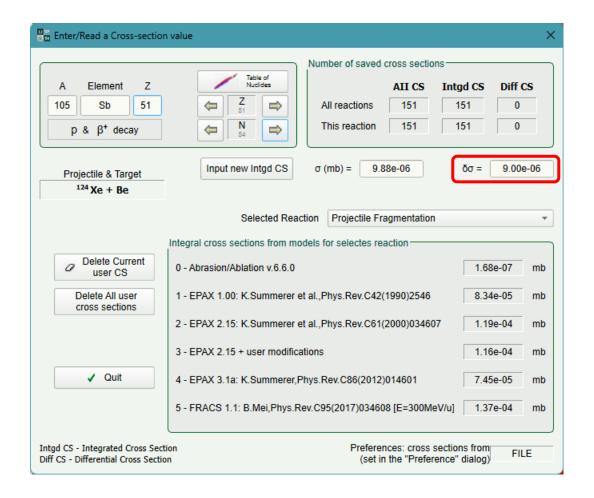




Miscellaneous



Editable error cells in user cross-section dialog



Updated contour result labels

Contour Σ 1376 Z max 3 ⟨X⟩ -5.5893e-02 ⟨Y⟩ +1.0103e-01 σ x 2.453e+00 σ y 2.396e+00 σ xy 9.312e-02



Dialog and Gauge parents



using 0 for QWidget *parent -- pros & cons

chatGPT

In Qt, every <code>Qwidget</code> constructor takes a <code>Qwidget*parent</code> pointer that controls ownership, modality, stacking and lifetime. Passing <code>ø</code> (or <code>nullptr</code>) has some <code>pros</code> and <code>cons</code>:

✓ Pros of using parent = 0

- Independence: The widget/dialog isn't tied to any other window. It can float freely and doesn't get minimized/hidden when the parent does.
- . Lifetime not tied: If the parent is deleted, your dialog survives (you manage its lifetime yourself).
- Testing / utility: Handy for debugging small standalone widgets, or when you want a tool window that
 must always stay visible, regardless of other windows.

X Cons

- No automatic deletion: Parent widgets auto-delete their children; if you give ø, you must remember to
 delete it yourself (or use @scopedPointer, std::unique_ptr, etc.), otherwise you leak memory.
- Not modal/stacked to parent: Dialog won't block its parent window with exec() modality and may appear behind it. Users can interact with the main window even while the dialog is open.
- No centering: Without a parent, Qt can't place the dialog relative to the main window, so it may open at an OS-default position (sometimes off-screen on multi-monitor setups).
- . Window management quirks: The dialog won't minimize/restore along with the main window.

Rule of thumb

- For dialogs bound to a main window, pass this as parent. This ensures modality, correct stacking, auto-cleanup, and a natural UX.
- Use @/nullptr only for:
 - · truly independent top-level windows,
 - · tools you want to persist outside the main app window,
 - · or during development/debug.

Standardized dialog names to use "Dlg" at the end of name.

258 Dialog and 41 Gauge calls and were remade from 0 to real widget pointers for safety (and speed in Win11E?)

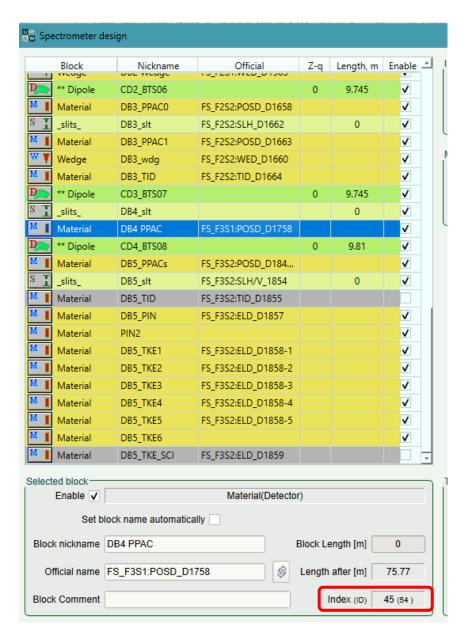
Important: Please let us know if you notice any discrepancies in the new version that could be related to this update.

Some dialogs (e.g., TAboutDlg and d_Apf) should continue to use a nullptr parent pointer.

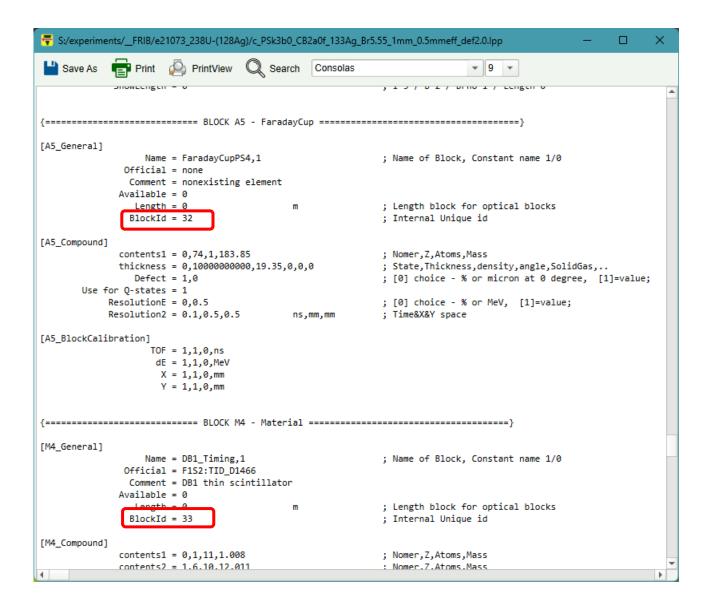
T @ MSU 08/24/2025 5



LISE internal Block ID



Currently it's used in drag-drop actions is the Setup dialog (DK)





v.17.15.0 - 17.15.13 modifications



- 17.15.01 (08/21/25) Added unique block IDs to saves; fixed drag-and-drop saving.
- 17.15.02 (08/21/25) File viewer limit raised (up to 100,000 lines / 50 MB); supports larger files.
- 17.15.03 (08/22/25) Added search in file/text viewer (F3 next, Shift+F3 previous, wrap-around).
- 17.15.04 (08/22/25) Editable error cells in user cross-section dialog.
- 17.15.05 (08/22/25) Dialog OK responds to Enter key in thickness calibration dialog.
- 17.15.06 (08/22/25) Block ID displayed in Setup dialog.
- 17.15.07 (08/22/25) Block ID read/write revised in Config files.
- 17.15.08 (08/22/25) χ^2 -box corrections in Data Minimization.
- 17.15.09 (08/23/25) Updated contour result labels.
- 17.15.10 (08/23/25) Threshold option for labels in 2D plots (mode=20).
- 17.15.11 (08/24/25) Standardized dialog names to use "Dlg".
- 17.15.12 (08/24/25) Most dialog calls changed from QWidget *0 to this (251 done, 12 left).
- 17.15.13 (08/24/25) WGauge calls also revised from QWidget *0 to this (46 done).

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