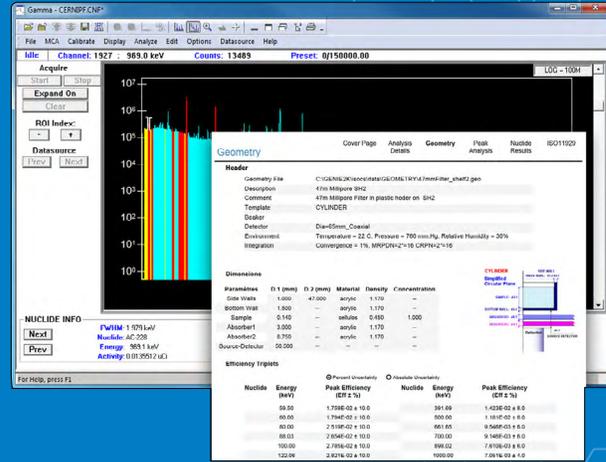**NOW AVAILABLE**

Genie™ 4.0 Software

Evolve your spectroscopy operations and drive more accurate results.

With the release of Genie 4.0 software, Mirion Technologies builds upon nearly 40 years of experience supporting the comprehensive spectroscopy needs of customers in 90+ countries worldwide.

We are pleased to introduce significant new enhancements across the platform, while maintaining compatibility with existing users' Genie 2000 processes.

KEY ENHANCEMENTS

New interactive reports save you time when reviewing results.

Genie 4.0 software offers a fresh and convenient new way to interact with measurement data, leading to streamlined decision making.

- Quickly access comprehensive measurement, geometry, and analysis information
- Directly review peak quality and fitting from nuclide results in the report

Interactive Peak Fit feature

- Sortable columns, toggling features, and collapsible sections allow easier and faster detailed data review
- Expand sections to see easy-to-review nuclide results integrated with energy line detail

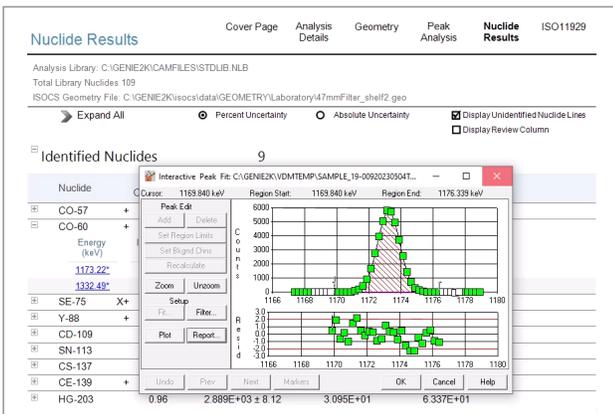### Improved uncertainty calculations for correlations in calibration standards.

Relevant for high precision measurement when a multi-line calibration source is used, Genie 4.0 software provides a new treatment for uncertainty propagation. Users now can identify correlations from their calibration standard, leading to more rigorously accurate results.

New FWHM calibration curve for best fidelity to detector resolution: $FWHM = \sqrt{a + bE + cE^2}$

By request from globally recognized experts, Genie software now includes a new function that has been shown to more accurately model observed resolution as a function of energy for semiconductor detectors, including HPGe. Greater accuracy can improve the effectiveness of the peak locate algorithm at particularly high or low energies and – in some scenarios – can drive a more accurate MDA.

Integrated Python® scripting enables flexible automation.

Incorporate Python scripting directly into your analysis sequence file to improve automation of tasks, perform custom calculations, or seamlessly transfer data or results to another application.
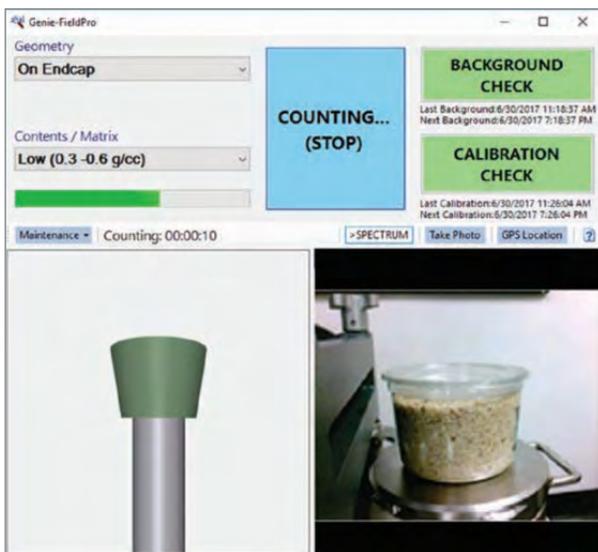
N42 files are now supported.

Genie 4.0 software now supports reading of N42 files, enabling advanced spectral review of data collected from common RIIDs and supervisory systems.

More applications are now included.

The Genie 4.0 Spectroscopy Software Suite now includes the Quality Assurance utility, the Interactive Peak Fit feature, and Genie-FieldPro™ simplified sample counting software in all standard licenses. In addition, the release includes support for the Aegis™ Portable HPGe Spectrometer, additional nuclides in the Cascade summing correction library, various bug fixes, and other maintenance improvements.

Genie-FieldPro software, now included in all standard licenses

ELECTRONIC LICENSING AND DISTRIBUTION

Genie 4.0 represents an important transition to an electronic software licensing and distribution model. With support for both Internet-connected and isolated systems, the new electronic software licensing approach enables Mirion to now offer Genie software subscription options for lower upfront costs, predictable budgeting, and continued support.

For more detail, please consult our Purchasing Options overview.

FULL SOLUTION SUPPORT

To enable a rapid and seamless transition to Genie 4.0, Mirion Services is pleased to offer the following:

- **Installation:** On-site expertise to setup a new system or upgrade an existing one
- **Consultation Services:** Start-up assistance (either remote or on-site) to configure your system to specific workflow requirements
- **Expert Training:** Hands-on training class options are offered both on-site and virtually for all skill levels
- **Customization Services:** Bespoke report modifications, script development, and more to maximize what your Genie system can do for you
- **V&V Support:** Performing analysis and providing documentation to satisfy compliance and quality assurance needs

To learn more about how we can help, please see our Genie 4.0 Services overview.

To learn more or request your demo today, visit mirion.com

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