



SU-636

# Apex-Gamma™ Advanced Topics

## DESCRIPTION

This 3-day course is a combination of lecture and practical examples covering the optimization of Mirion Apex-Gamma counting systems and the underlying Genie™ software. Approximately 60% of the course will be presented in lecture format, with the remaining time allocated for hands-on learning activities and associated discussions. The course covers a full range of system optimization tips and techniques (noted below), and is conducted in an interactive style to encourage active participation by all attendees.

## HOW YOU WILL BENEFIT

Attendees who complete this course will gain a thorough understanding of the practical measures necessary to optimize the Mirion Apex-Gamma/Genie system. This knowledge enables the attendee to correctly prepare the software as it is designed, in a complex multi-detector analytical environment. Supervisors and managers will benefit from an improved level of software understanding on the part of their Apex-Gamma system administrator, ensuring a more efficient and defensible analytical process in the laboratory.

## WHO SHOULD ATTEND

Technologists or supervisory personnel who are existing administrators or potential administrators of Apex-Gamma systems should attend. Attendees should have a good working knowledge of Apex-Gamma and Genie software. This course is not recommended for users who have never operated an Apex-Gamma system or who have never attended previous formal Apex-Gamma training.

## COURSE CONTENT

- ✓ The CAM file structure, its main purpose, and how it is used in the Apex-Gamma database architecture. 'Rules' for using CAM files in the Apex® architecture will be addressed.

- ✓ The relationship and difference between the Genie Analysis Sequence File and the Apex Procedure and how to optimize both. Some of the common analysis steps available in the Genie Analysis Sequence editor are not used under Apex-Gamma software. You will learn which steps are not used, and why, and how they are implemented in Apex-Gamma software.
- ✓ When and how to use two nuclide libraries for sample analysis - one of the newest features in Apex V1.3.
- ✓ Understanding when to use Cascade Summing Corrections and how to implement these corrections in Apex-Gamma software.
- ✓ How to use the powerful and versatile Data Review functionality in Apex-Gamma software. Specific examples using the Data Review functionality will be demonstrated, including how to use the Line Activity Consistency Evaluator (LACE), Interactive Peak Fit (IPF), and LabSOCS™ efficiency calibrations to optimize your results.
- ✓ Integrating your data with external data management systems, such as LIMS, intranet viewing pages, spreadsheets, and other external systems. This session will give you a brief review of the many ways to export data out of Apex-Gamma software.
- ✓ Apex-Gamma backup and recovery.
- ✓ Using Microsoft's SQL-Server Management Studio Express for assistance in database administration.
- ✓ Moving Apex-Gamma Client, Server or Desktop software from one computer to another.

## PREREQUISITES

Students planning to attend this "Advanced Topics" training course must have a good working knowledge of the basic features and setup options available in the standard Apex-Gamma software. Prior completion of Mirion's Apex-Gamma Operations (SU-635) training course is strongly recommended.