

Alpha Spectroscopy Workshop

Sunday, October 13, 1996

Cathedral Hill Hotel

Grand Ballroom, Room B

1pm - 5pm

Description

There have been many significant developments in recent years that have made the use and applications of alpha spectrometry easier for the analyst. This seminar will focus mostly on improved methods of spectrum analysis. A cursory discussion of some sample preparation techniques as they relate to the analysis methods will also be provided.

Topics will include:

- Some new sample preparation techniques
- Calibration and peak analysis algorithms
- Background and reagent blank corrections
- QA practices including reagent blanks, duplicates, and controls
- Nuclide identification and activity calculations
- Minimum Detectable Activities (MDAs)

Some familiarity with alpha spectrometry sample preparation techniques and analysis methods is preferred.