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Methods for Containing Radioactive Materials for Diffraction Analysis. D.M. Smith, Los Alamos National Laboratory, Los Alamos, NM 87544 USA.

Plutonium compounds present a challenge for diffraction analysis because they must be contained for analysis due to their radioactivity and toxicity. This talk will discuss different methods for containing plutonium and other radioactive elements for crystal diffraction, powder diffraction and SEM analysis.