

# Symposium on International Safeguards: Linking Strategy, Implementation and People - IAEA CN-220



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## Analysis of Uranium-Based Materials by Mass Spectrometric Methods

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The well-developed TIMS with high precision and accuracy for determination of uranium isotopes, ICP-MS with low detection limits and high throughput for determination of impurities, LI-TOF-MS equipped with 193nm excimer laser and orthogonal-reflection time-of-flight mass spectrometer for identification of specific isotopes, ions, and clusters in full mass range, have been used to analysis of uranium samples originated from nuclear industry, and paid an important role in nuclear safeguards. The laboratory has implemented those mass spectrometric methods in analysis of uranium-based materials. Details will be presented at this symposium.

### Country or International Organization

China

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