

Micro-XRay Fluorescence with the M4 Tornado

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Micro-X-Ray fluorescence is an analytical method with continuously growing importance. The paper introduces a new μ -XRF instrument – the M4 Tornado from Bruker. In this instrument is combined long experience for XRF together with new technologies for the position sensitive elemental analysis.

The instrument development was oriented for an easy to handle instrument with high analytical performance for accurate point analysis, fast distribution analysis and unambiguous spectra evaluation.

The talk describes the concept of the instrument and gives also information about first applications for fast distribution analysis and discusses the quantification model with first results.