

E I N L A D U N G

zum

S E M I N A R V O R T R A G

von

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**State-of-the-art in determining long-lived
radionuclides by ICP-MS and LA-ICP-MS**

Since a couple of years ICP-MS with its ability to provide a very sensitive multielemental determination of trace and ultratrace elements and precise isotopic analysis has been increasingly established for the determination of long-lived radionuclides especially in environmental materials, in waters, geological, biological and medical samples, in nuclear materials and in radioactive waste [1]. The aim of this lecture is to discuss the state-of-the-art and the progress in determination of long-lived radionuclides by ICP-MS and LA-ICP-MS in routine analysis and research.

[1] J.S. Becker, H.-J. Dietze, Encyclopedia Analytical Chemistry, John Wiley Sons 1999, 12947.

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**1090 Wien, Währingerstr. 17, "Kavalierstrakt",
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P. Hille

W. Kutschera