Wolfgang Müller

(Goethe University, Frankfurt, Niemcy)

Why go shorter – Principles and Applications (to ice cores and K-salts) of 157 nm laser ablation ICP-MS/MS

In this presentation, I want to give an overview of why we embarked on a rather unusual endeavour of exploring vacuum UV-laser ablation at 157 nm for geochemical microanalysis. Besides showing how we built a working dual-wavelength (157, 193 nm) LA system I want to briefly showcase two applications, namely compositional dust analysis in deep Greenland ice cores as well as in-situ Rb/Sr dating of K-salts.