



15th June 2017 - 10:00h

CFEL – Building 99, seminar room IV (first floor)

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Probing electron attachment through electron detachment

Electron driven chemistry is important in large parts of science and technology. From a basic science perspective, the reaction of a neutral and an electron to make an anion presents one of the most fundamental chemical reactions. Over the past few years, our group has been developing new tools to probe the dynamics of electron attachment by using photoelectron imaging. I will discuss some of the remarkable dynamics at play in electron attachment and demonstrate how electronic resonances undergo internal conversion faster than autodetachment and how non-valence anionic states participate in the attachment of low-energy electrons.