



**20 May 2021, 10:00–11:00h**

Zoom virtual meeting <https://desy.zoom.us/j/91202137161>

(Meeting-ID: 912 0213 7161, Password: 845021)

---

**Roland Wester**

*Institut für Ionenphysik und Angewandte Physik  
Universität Innsbruck*

## **Mechanisms of ion-molecule reactions and their manipulation by vibrational excitation**

Crossed-beam velocity map imaging provides detailed insight into the dynamics and the relevant mechanisms of ion-molecule reactions. In this talk I will focus on results for nucleophilic substitution and base-induced elimination reactions. Furthermore, I will show how vibrational excitation modifies different reaction pathways in different ways.