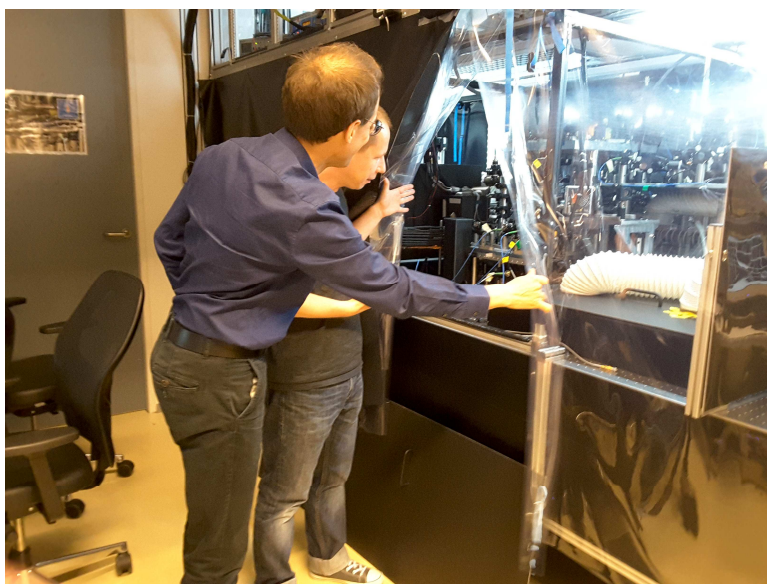


Jacek Szczepkowski @ Institute of Physics, University of Amsterdam, Holland

The purpose of my visit at the Institute of Physics, University of Amsterdam was to gain knowledge about technical principia and application of the photoassociation (PA) spectroscopy technique for ultra-cold open shell molecules. The host of my stay, Professor Florian Shreck, uses PA technique for characterization of interactions between ultra-cold Sr and Rb atoms. At the beginning I got familiarized with the experi-



mental setup for cooling and trapping Rb and Sr atoms and details of the PA technique. In the next step I learnt to optimize experimental conditions to obtain the best possible PA signal. During this step I had a unique chance to observe the influence of the essential setup parts on the quality of experimental results. The visit allowed me to learn about new experimental technique and increase the skills important in my laboratory work.

