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Atomic and Molecular physics experiments in synchrotron sources of second and third generation

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Abstract content

This talk will present an overview of gasphase experiments of molecular and atomic photoionization from the standpoint of a user, at a synchrotron facility. The studies presented are specifically devoted to the study of single and double photoionization processes as well as photoelectron angular distributions. In addition to a brief overview of the physical processes studied, this presentation will have a stronger focus on the requirements and needs, in terms of flux, resolution, technical support and end station specifications that these studies pose to experimental beamline here they are carried out. A comparison of performance of experiments carried out at a second generation source and a third generation source will be presented, in order to emphasize the importance of the beamline streamlining and performance

Summary

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