



Contribution ID: 31

Type: poster

An off-line laboratory for laser photoionization studies

In Pavia a collaboration started on in support of Laser photoionization activities within SPES Project. Three tunable dye laser will be used to investigate the photoionization pathways for elements of interest of the Project. The available wavelength range spans from UV to near IR and operation are for now limited to 10 Hz repetition rate.

The overall yield of photoionization will be measured by means of a reflectron time of flight mass spectrometer, whilst the intermediate optical steps are monitored with fluorescence techniques.

Some measurements are also performed using a hollow cathode lamp as atomic reservoir and observing the laser interaction, photoionization included, by means of an optogalvanic technique. This system turns out to be a simple and effective tool for preliminary photoionization studies.

Is this an invited talk? (please answer yes or no)

NO

Would you prefer your contribution to be a poster presentation? (please answer yes or no)

YES

Would you prefer your contribution to be an oral presentation? (please answer yes or no)

NO

Are you a student, postdoc or an attendee from an “emerging” country and would like to apply for financial support?

NO

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Track Classification: Production and manipulation of RIB