Journal of Visualized Experiments

Editorial Board

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Dear Editor,

Please find enclosed our manuscript entitled "*Femtosecond NIR/UV – XUV pump-probe experiments with free-electron laser"* that we would like to be considered for publication in Journal of Visualized Experiments. This paper highlights a protocol for performing and analyzing experiments that combine a femtosecond optical laser with a free-electron laser in order to study ultrafast photochemical reactions. We consider of value publishing these data in Journal of Visualized Experiments, as they describe strategies that have not been comprehensively reported to date and that will be of interest to many users of free-electron laser facilities who perform pump-probe experiments. The techniques presented in this paper and demonstrated in video format will thus be highly useful for researchers working in the field of ultrafast X-ray science, e.g., in atomic and molecular physics, femtochemistry, and condensed matter physics.

The authors of this paper jointly designed the procedures described in the manuscript and performed the experiments and analyzed the data within a large collaboration, whose members are named in the acknowledgements. Finally, Daniel Rolles wrote the manuscript together with the other two authors.

During the preparation and submission of this manuscript, we have been kindly assisted by Benjamin Werth.

Thank you for your consideration of this manuscript. We look forward to hearing from you.

Sincerely yours,

Daniel Rolles

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