

Quantum Dynamics in Tailored Intense Fields

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Signatures of attosecond-scale electron dynamics in low-frequency harmonics by photoionization of noble gases

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Brunel radiation appears during ionization of electron and subsequent dynamics, and is independent on the return to the atomic core. Surprisingly, although the time scale of the ionization process is much faster than the period of the most intense Brunel harmonics, the signatures of the ionization dynamics can be still found in the Brunel harmonic spectrum.

Primary author: BABUSHKIN, Ihar (Leibniz Universität Hannover)

Presenter: BABUSHKIN, Ihar (Leibniz Universität Hannover)

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