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ARIEL UNIVERSITY

ISRAEL PHYSICS COLLOQUIUM

Prof. Anne L'Huillier

Lund University, Sweden

Monday | January 11, 2021 | 16:00

Attosecond pulses for capturing electron dynamics

Since the beginning of the millennium, physicists know how to generate pulses of light of attosecond duration (1 as= 10-18 s), thus gaining access to this incredibly short time scale. This presentation will describe how attosecond pulses are generated when intense laser pulses interact with atomic gases, and what are their characteristics.
We will then show how these pulses can be used to investigate fast electron dynamics in atomic photoionization.

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