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Decomposition of AC Stark Effect and Interference Signals in the Temporal and Spectral Response in Attosecond Transient Absorption Spectroscopy

Wednesday 3 July 2019 18:00 (2 hours)

Attosecond Transient Absorption Spectroscopy (ATAS) of core-excited states provides the opportunity to study these induced dipoles on their natural timescale from the local perspective of a reporter atom. We show how Singular Value Decomposition (SVD) can be used to separate and decompose signals from different phenomena in ATA.

Authors: DRESCHER, Lorenz (Max Born Institute); WITTING, Tobias (Max Born Institute); Dr PATCHKOVSKII, Serguei (Max Born Institute); Prof. VRAKKING, Marc J.J. (Max Born Institute); MIKOSCH, Jochen (Max Born Institute)

Presenter: DRESCHER, Lorenz (Max Born Institute)

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