



Contribution ID: 270

Type: oral

Sub-femtosecond Timing Tool for Experiments with a Seeded Free Electron Laser

Thursday 4 July 2019 17:00 (15 minutes)

We present a novel approach to determine the relative delay jitter between a train of attosecond pulses and an infrared field with sub-femtosecond resolution, enabling pump-probe experiments on the attosecond timescale using seeded free electron lasers.

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Session Classification: New approaches for measuring atomic and molecular dynamics