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Attosecond delays of high harmonic emissions from isotopes of molecular hydrogen measured by Gouy phase XUV interferometer

Thursday 15 December 2022 16:00 (30 minutes)

We present precise measurement of HHG phase difference between two isotopes of molecular hydrogen using advanced Gouy phase interferometer. The measured phase difference is about 200 mrad, corresponding to ~3 attoseconds time delay which is nearly independent of harmonic order.

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