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Ultrafast Hole Migration Resolved in Space and Time

Monday 1 July 2019 18:00 (2 hours)

In this work, we report the first direct measurement of a short lived hole wavepacket migration (lifetime of ~15fs) in the isopropanol molecule (C_3H_8O) by means of an X-ray pump, X-ray probe scheme with a few femtosecond time resolution at the LCLS XFEL facility.

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