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In the version of the article initially published, in the "Analysis of the VMIS images" section of the Methods, the sentence "The validity of the analysis protocol despite the lack of cylindrical symmetry induced by the anisotropy of excitation of the linearly polarized UV-pump pulse has been demonstrated in refs. 11,12,37" has been amended to read "A similar analysis protocol, ignoring the lack of cylindrical symmetry induced by the anisotropy of excitation of the linearly polarized UV-pump pulse, was used in refs. 11 and 12. It was recently shown that the harmonic terms describing symmetry breaking could be of significant amplitude³⁷. In our experiment, they could be measured by repeating the measurements with a few different orientations of the pump polarization with respect to the detector plane, and tomographically reconstructing the 3D-PECD by Hankel transform as was done in ref. 37". In the Extended Data Fig. 3 caption, a citation to ref. 37 has been removed. The changes are reflected in the HTML and PDF versions of the article.



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