

Accepted Manuscript

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PII: S0368-2048(18)30112-9
DOI: <https://doi.org/10.1016/j.elspec.2018.07.001>
Reference: ELSPEC 46773

To appear in: *Journal of Electron Spectroscopy and Related Phenomena*

Received date: 11-6-2018
Revised date: 2-7-2018
Accepted date: 2-7-2018

Please cite this article as: Tseng C-Ming, Fushitani M, Matsuda A, Hishikawa A, Coincidence Momentum Imaging of Four- and Three-body Coulomb Explosion of Formaldehyde in Ultrashort Intense Laser Fields, *Journal of Electron Spectroscopy and Related Phenomena* (2018), <https://doi.org/10.1016/j.elspec.2018.07.001>

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Coincidence Momentum Imaging of Four- and Three-body Coulomb Explosion of Formaldehyde in Ultrashort Intense Laser Fields

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Highlights

- Four- and Three-body Coulomb explosion of formaldehyde is studied in 7-fs and 35-fs intense laser fields
- Fragmentation in the 7-fs case is well understood as instantaneous explosion from the neutral.
- Structural deformation prior to Coulomb explosion becomes significant in the 35-fs case.

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