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Nonlinear Fourier Transform Spectroscopy of Acetylene by Intense Attosecond Pulse Trains

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We performed nonlinear Fourier-transform spectroscopic measurements of C_2H_2 using intense attosecond pulse trains and an interferometer with sub-100-as accuracy, and revealed that the C-C dissociation proceeds via the resonant transition of $C_2H_2^+$ at ~11 eV.

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