**11-fs Dark Pulses Generated via Coherent Absorption in Plasmonic Metamaterial**

**Venkatram Nalla,1,\* João Valente,2 Handong Sun,1 and Nikolay I. Zheludev1,2**

*1Centre for Disruptive Photonic Technologies, School of Physical and Mathematical Sciences, The Photonic Institute, Nanyang Technological University, Singapore*

*2Optoelectronics Research Centre and Centre for Photonic Metamaterials, University of Southampton, Highfield, Southampton, UK*

*\*vnalla@ntu.edu.sg,*

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The excel file contains experimental data for the paper. In particular:

Fig. 1. Absorption spectra of the free-standing metamaterial absorber, A(λ0 ) = 47% is absorption at 800 nm.

Fig. 2. Spectral profiles of gate, carrier and dark pulse, (a-c) experimental spectra, (d-f) simulated spectra.

Fig. 3. Simulated dark pulse in the envelope of carrier pulse. (a-c) Electric fields of 11fs gate pulse, 70fs carrier pulse and dark pulse respectively; (d) Autocorrelation function of the 11fs gate pulse; (e-f) First order electric field cross-correlation function of the 11fs gate pulse with 70fs carrier pulse and dark pulse respectively.

Fig. 4. Experimental data on the generation of dark pulse in the envelope of carrier pulse. (a) First order electric field auto-correlation function of the 11fs gate pulse; (b) cross-correlation function 70fs carrier pulse with gate pulse; (c) cross-correlation function of the dark pulse with gate pulse. Experimental data presented here is after subtracting the constant background. Envelopes of simulated cross-correlation functions taken form Fig. 3 also presented.

Fig. 5. Interaction of short pulses with thin absorber in the standing wave regime. Standing wave absorption as measured on plasmonic metamaterial at different pulse excitations.

Date of data collection: from March 2016 - June 2017.

Information about geographic location of data collection: University of Southampton, U.K and Nanyang Technological University, Singapore.

Date that the file was created: August 2017