Contribution ID: **209** Type: **poster**

Nonlinear Fourier Transform Spectroscopy of O_2 with Intense Attosecond Pulse Trains

Wednesday 3 July 2019 18:00 (2 hours)

We investigated the dissociative ionization of O_2 by pump-probe measurements using extreme-ultraviolet attosecond pulse trains, and revealed that an electron-nuclear wave packet composed of $O_2^+(B^2\Sigma_g^-)$ and $O_2^+(3^2\Pi_u)$ is created by the pump pulse train.

Authors: Dr FUKAHORI, Shinichi (RIKEN Center for Advanced Photonics); Mr MATSUBARA, Takuya (RIKEN Center for Advanced Photonics); Dr NABEKAWA, Yasuo (RIKEN Center for Advanced Photonics); Prof. YAMANOUCHI, Kaoru (The University of Tokyo); Prof. MIDORIKAWA, Katsumi (RIKEN Center for Advanced Photonics)

Presenter: Dr FUKAHORI, Shinichi (RIKEN Center for Advanced Photonics)

Session Classification: Poster session 2