



Contribution ID: 209

Type: poster

Nonlinear Fourier Transform Spectroscopy of O₂ with Intense Attosecond Pulse Trains

Wednesday 3 July 2019 18:00 (2 hours)

We investigated the dissociative ionization of O₂ by pump-probe measurements using extreme-ultraviolet attosecond pulse trains, and revealed that an electron-nuclear wave packet composed of O₂⁺(B²Σ_g⁻) and O₂⁺(3²Π_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