

Poster Program

May 18 (Friday) 16:40-18:10

P01 Shiro Koseki

Potential energy curves for the dihydrides of the third-row transition elements spin-orbit coupling effects

P02 Shohei Yamazaki, Shigeki Kato

Solvent effect on the radiationless decay mechanism of 9H-adenine: An ab initio study

P03 Yoshiyuki Matsuda, Masaki Hachiya, Daichi Sakai, Mayumi Mori, Asuka Fujii, Naohiko Mikami

Vibrational spectroscopy of size-selected neutral and cationic clusters combined with vacuum-ultraviolet photoionization mass spectrometry

P04 Kenta Mizuse, Hayato Hasegawa, Asuka Fujii, Naohiko Mikami

Infrared and electronic spectroscopy of $[C_6H_6(NH_3)_n]^+$: Identification of the nucleophilic aromatic substitution intermediate having a newly formed C-N σ -Bond

P05 Izumi Yagi, Toshihiko Maeyama, Asuka Fujii, Naohiko Mikami

Stepwise solvatochromism of ketyl anions in the gas phase as studied by photodetachment excitation spectroscopy

P06 Noriaki Hori, Ari Furuya, Mamoru Tsuruta, Fuminori Misaizu, Koichi Ohno

Photodissociation reactions of small silver fluoride cluster ions

P07 Hiroyuki Saigusa

Structure and excited-state dynamics of the DNA bases and their clusters

P08 Ryosuke Nakamura, Norio Hamada, Hideki Ichida, Fumio Tokunaga, Yasuo Kanematsu

Initial dynamics of photoactive yellow protein revealed by pump-dump fluorescence spectroscopy

P09 Toshihiro Yamada, Tsuyoshi Kato, Hirohiko Kono, Yuichi Fujimura, Deepak Mathur

Theoretical study of light-induced rotation of red blood cell with the birefringent rigid body model

P10 Ken Onda, Sho Ogihara, Tadahiko Ishikawa, Yoichi Okimoto, Xiangfeng Shao, Hideki Yamochi, Gunzi Saito, Shin-ya Koshihara

Ultrafast photo-induced phase transition in organic charge transfer complex $(EDO-TTF)_2PF_6$

P11 Akihiro Nojima, Koichi Yamashita

Theoretical study on electron-phonon coupling at surfaces

- P12** Yoshi-ichi Suzuki, Toshinori Suzuki
Detection of molecular orbital symmetry by time-resolved photoelectron imaging
- P13** M. Okunishi, K. Shimada, G. Prumper, D. Mathur, K. Ueda
Photoelectron spectroscopy of N₂ and O₂ in intense laser fields
- P14** Md. Ranaul Islam, Ulf Saalman, Jan M. Ros
Irradiation of atomic clusters with intense femtosecond laser pulses
- P15** G. Prümper, K. Ueda, X. J. Liu, V. Carravetta, Y. Muramatsu, Y. Tamenori, M. Kitajima, H. Tanaka, M. Hoshino
Electron transfer during the dissociation of CH₃F⁺ produced by resonant photoemission following F 1s excitation
- P16** Katsunori Nakai, Hirohiko Kono, Yuichi Fujimura, Satoshi Maeda, and Koichi Ohno
Dissociation dynamics of methanol cations: Search for reaction paths and first principle MD calculation
- P17** Naoyuki Niitsu, Katsunori Nakai, Hirohiko Kono, Yuichi Fujimura
Theoretical study of the dynamics of C₆₀ cations in near-infrared intense laser pulses
- P18** Noriyuki Shimakura, Toru Ikehara, Toshikazu Kumazawa
Wave-packet study of shape resonance and formation of quasi-molecule in laser-assisted (H⁺ + H) collisions
- P19** Y. Kubota, Y. Kino
Loosely bound states of positronic alkali metal atoms
- P20** Y. Kino, K. Hamaguchi, M. Kamimura, T. T. Yanagida
Nuclear reaction induced by heavy electronic systems in the early universe
- P21** N. Watanabe, M. Takahashi, Y. Udagawa, K. A. Kouzakov, Yu. V. Popov
Two-step mechanisms in ionization-excitation of He studied by second Born calculations and binary (e,2e) experiments
- P22** Hiroyuki Matsuura, Masahiro Nakano, Nobuo Noda, Tetuya Nemoto, Kazuharu Koide
Relativistic quantum field theory for matters of ultrafast electrons non-perturbation method and an exact calculation procedures
- P23** Seiichi Tanabe, Kunihito Hoki, Hirohiko Kono, Yuichi Fujimura
Calculation of the cross section of epithermal neutron scattering from water by a time-dependent wavepacket approach
- P24** Manabu Kanno, Hirohiko Kono, Yuichi Fujimura
Optimal Control of electron ring currents in chiral aromatic molecules
- P25** Shinichirou Nakayama, Wilfred Credo Chung, Masahiro Yamaki, Kunihito Hoki, Hirohiko Kono, Yuichi Fujimura
Theoretical study of chiral molecular motor driven by laser pulse - two dimensional dynamics -

P26 Fabio Pichierri

DFT and TD-DFT Studies of Subporphyrins

P27 Akiyoshi Hishikawa, Akitaka Matsuda, Mizuho Fushitani, Eiji J. Takahashi

Visualizing recurrently migrating hydrogen with few-cycle intense laser pulses

P28 K. Koide, T. Nemoto, H. Matsuura, N. Noda, Y. Ito, T. Kin, M. Nakano

A method to give hydrogen atom placement of hydrogen hydrate clathrate