



**14th INTERNATIONAL CONFERENCE
ON MULTIPHOTON PROCESSES
24-27 SEPTEMBER 2017 | BUDAPEST**

The invited talks are 20+5 minutes, the contributed oral talks are 12+3 minutes long.

SUNDAY, September 24	
18.30	Wine & cheese reception Sponsored by Laser Quantum
MONDAY, September 25	
8.30	Conference opening by the chairs Joachim BURGDÖRFER, Péter DOMBI
8.35	Opening talk 25 min session chair: Joachim BURGDÖRFER Norbert KROÓ (chair of ICOMP 1980 in Budapest)
9.00	Keynote talk 50+10 min Ferenc KRAUSZ Attosecond science from basic research to real-world applications
10.00	Coffee break 30 min Sponsored by the Hungarian Academy of Sciences
10.30	Keynote talk 50+10 min session chair: Péter DOMBI Paul CORKUM Linking high harmonics from gases and solid
11.30	Attosecond atomic physics 95 min session chair: Chii-Dong LIN Stephen LEONE Attosecond dynamics by noncollinear four wave mixing (invited talk) Nicolas CAMUS Experimental evidence for Wigner's tunneling time David BUSTO Ionization through Fano resonances: towards a complete characterization of the electron wave packets Thierry RUCHON Synthesis, characterization and control of extreme ultraviolet attosecond light springs (invited talk) Markus KITZLER Disentangling intracycle interferences in the photoelectron spectrum of argon using orthogonally polarized, two-colour laser pulses
13.05	Lunch break 100 min (and International Committee Meeting at Hotel Flamenco with sandwich lunch)
14.45	Attosecond molecular physics #1 105 min session chair: Károly TÓKÉSI Yann MAIRESSE Attosecond photoionization of chiral molecules (invited talk) Valery MILNER Ultrafast control of molecular magnetism with an optical centrifuge (invited talk) Yonghao MI Electron-nuclear coupling through autoionizing states after strong-field excitation of H ₂ molecules Olga SMIRNOVA Controlled chiral dynamics in strong and weak fields (invited talk) Nikolay SHVETSOV-SHILOVSKIY Effects of the Coulomb potential in the photoelectron holography
16.30	Coffee break 30 min Sponsored by Amplitude Systèmes
17.00	Strong-field condensed-matter phenomena 95 min. session chair: Péter FÖLDI Matteo LUCCHINI Time-resolved attosecond dynamical Franz-Keldysh effect (invited talk) Christian OTT Time-resolved XUV absorption spectroscopy of correlated electron dynamics in weak and strong fields (invited talk) Sankar POOPALASINGAM Role of critical mass concept in efficient superradiant generation of multikilovolt X-rays from clusters Lars CHRISTIANSEN Laser-induced alignment of molecules in helium nanodroplets: Environment-limited rotation József FÜLÖP Four-photon absorption in semiconductors
19.05	Transfer to conference dinner sponsored by Wigner Research Centre for Physics The dinner takes place on ship Európa with Budapest sightseeing

The invited talks are 20+5 minutes, the contributed oral talks are 12+3 minutes long.

The invited talks are 20+5 minutes, the contributed oral talks are 12+3 minutes long.

TUESDAY, September 26	
8.15	Novel simulation tools and quantum optical effects 95 min
Kenichi ISHIKAWA	Time-dependent multiconfiguration self-consistent-field theory for electron dynamics in atoms and molecules (invited talk)
Iva BREZINOVA	A new theoretical approach for accurate multi-electron dynamics in strong fields: the time-dependent two-particle reduced density matrix method (invited talk)
Kálmán VARGA	Time dependent density functional simulation of interaction of strong electromagnetic fields and matter
Paraskevas TZALLAS	Quantum optical signatures in high-order-harmonics generation
Péter FÖLDI	A quantum optical model for the dynamics of high-order-harmonic generation
9.50	Poster session #1 and coffee break 100 min
11.30	Novel laser systems and applications 105 min
Ruxin LI	Development of 10 PW intense laser facility at Shanghai (invited talk)
Dimitris CHARALAMBIDIS	ELI-ALPS: current status and future research opportunities (invited talk)
Ondrej HORT	First light from high harmonic generation source at ELI Beamlines
Theodor ASAVEI	Materials in extreme environments at ELI-NP
Olga KOSAREVA	Regularized filamentation at different wavelengths (invited talk)
13.15	coach trip to Szeged ELI site (lunchbox, reception at the ELI building) Sponsored by ELI-ALPS Research Institute, Szeged, Hungary
~19.30	Return from Szeged to Hotel Flamenco

WEDNESDAY, September 27	
8.30	Strong-field phenomena in nanosystems 90 min session chair: Norbert KROÓ
Christoph LIENAU	Probing the motion of photoemitted electrons by ultrafast point-projection electron microscopy (invited talk)
Robert R. JONES	Strong-field physics near THz irradiated nano-tips (invited talk)
Judit BUDAI	Measurement of nanoplasmonic field enhancement with ultrafast photoemission
Kiyonobu NAGAYA	Ultrafast structure change of laser induced nano-plasma traced by time-resolved x-ray diffraction (invited talk)
10.00	Poster session #2 and coffee break 100 min
11.40	Attosecond sources and characterization 95 min
Kenneth SCHAFFER	Control of XUV free induction decay in space and time (invited talk)
Chii-Dong LIN	A new phase retrieval method for characterizing broadband soft X-ray attosecond pulses and multi-octave laser pulses
Sergei KÜHN	Complete ultrafast pulse retrieval by attosecond spectral interferometry
Camilo Ruiz MÉNDEZ	Carrier-envelope-phase characterization for an attosecond pulse by angular streaking
Christoph HEYL	Power scaling of extreme ultraviolet frequency combs to the mW level per high harmonic order
13.15	Lunch break 90 min
14.45	Attosecond molecular physics #2 120 min
Franck LÉPINE	PAH under XUV excitation: role of electron correlation and non-adiabatic dynamics (invited talk)

The invited talks are 20+5 minutes, the contributed oral talks are 12+3 minutes long.

Adi NATAN	Imaging excited molecular dynamics with ultrafast X-rays diffraction (invited talk)
Tobias STEINLE	Diffraction imaging of bond breaking in space and time with one electron
Tomoya OKINO	Multi-fragment momentum imaging for investigating attosecond molecular dynamics of polyatomic molecules
Reika KANYA	THz-wave-assisted electron diffraction: Numerical simulations of time-resolved electron diffraction patterns
Denitza BAYKUSHEVA	Strong-field holographic imaging of molecular valence-shell wavepackets
16.30	Student Poster Award sponsored by Fastlite and CryoSpectra Closing of Conference

Poster session #1, TUESDAY, September 26, 9.50

- P1.** Cheng Jin, Chii-Dong Lin, “*Macroscopic scaling of soft X-ray high harmonics generated by two-color laser pulses.*”
- P2.** Sanjay Mishra, Alexander Andreev, “*Amplification of weak ultra-short pulses in plasma via resonant BRA scheme: A case study in view of ELI-ALPS secondary sources.*”
- P3.** Hao Liang, Liangyou Peng, “*Above threshold ionization spectra for stretched H_2^+ in strong laser fields.*”
- P4.** Zsolt Lécz, Alexander Andreev, “*High-order harmonic amplification by multiple reflection of laser pulses between plasma surfaces.*”
- P5.** Anna V. Bogatskaya, Ekaterina A. Volkova, Alexander M. Popov, “*Spectroscopy of the atomic system driven by high intensity laser field.*”
- P6.** Anna V. Bogatskaya, Ekaterina A. Volkova, Alexander M. Popov, “*High order harmonic generation by an atom in a strong laser field: quantum-electrodynamical vs. semiclassical approach.*”
- P7.** Xiaofan Zhang, Xiaosong Zhu, Yang Li, Pengfei Lan, Peixiang Lu, “*Studies on the polarization characteristics of high harmonics.*”
- P8.** Chao Yu, Cheng Jin, Reifeng Lu, “*Dependence of high harmonic generation on dipole moment in SiO_2 crystals.*”
- P9.** XiangRu Xiao, Hao Liang, Mu-Xue Wang, Liang-You Peng, Qihuang Gong, “*Attosecond streaking from excited states.*”
- P10.** Chien-Nan Liu, Toru Morishita, Mizuho Fushitani, Akiyoshi Hishikawa, “*Photoelectron sidebands induced by a chirped laser field for shot-by-shot temporal characterization of FEL pulses.*”
- P11.** Feng Wang, L. He, W. Liu, L. Li, X. Zhu, P. Lan, P. Lu, “*Macroscopic effect of high harmonic generation from the nanostructure.*”
- P12.** Felipe Zapata, Marie Labeye, Emanuelle Coccia, Valérie Vénard, Julien Toulouse, Jérémie Caillat, Richard Taïeb, Eleonora Luppi, “*Basis set effects on multiphoton processes in H_2^+ .*”
- P13.** Igor V. Litvinyuk, “*Benchmarking strong-field physics with atomic and molecular hydrogen.*”
- P14.** Carles Serrat, Iduabo John Afa, Josep Lluís Font, “*Ultrafast coherent population transfer with trichromatic femtosecond π -pulses in a four-level ladder system.*”
- P15.** Carles Serrat, George Gibson, “*XUV intrapulse trajectories in high harmonic generation.*”
- P16.** Hui Li, Kang Lin, Junyang Ma, Zuqing Yu, Xiaochun Gong, Qiying Song, Qinying Ji, Wenbin Zhang, Hanxiao Li, Peifen Lu, Heping Zeng, Feng He, Jian Wu, “*Manipulation of electron recollision in atomic and molecular systems in bicircular two-color femtosecond laser fields.*”
- P17.** Hui Li, Benoit Mignolet, Zhenhua Wang, Itzik Ben-Itzhak, C. Lew Cocke, Françoise Remacle, Matthias F. Kling, “*Selective ionization from SAMO and Rydberg states in C_{60} in femtosecond laser fields.*”

The invited talks are 20+5 minutes, the contributed oral talks are 12+3 minutes long.

- P18.** Ivan Gonoskov, E. K. U. Gross, *“What is classical field limit in strong-field physics and what is beyond: exact factorization approach.”*
- P19.** XiaoHong Song, XiWang Liu, JingWen Xu, GuangLuo Shi, GuoJun Zhang, RuiXin Zuo, QiBing Xue, WeiFeng Yang, *“Visualizing interference structure with attosecond temporal resolution.”*
- P20.** Xiwang Liu, Jingwen Xu, Cheng Lin, Jing Chen, XiaoHong Song, WeiFeng Yang, *“Attosecond interference induced by Coulomb-field-driven transverse backward-scattering electron wave-packets.”*
- P21.** Vanessa R.M. Rodrigues, Santhosh Chidangil, Hema Ramachandran, Aditya Dharmadhikari, Jayashree Dharmadhikari, Deepak Mathur, *“Tailoring of diffractive micro-optics using ultrafast lasers.”*
- P22.** Imre Ferenc Barna, Sándor Varró, *“Electron scattering and conduction in doped semiconductors in simultaneous strong terahertz radiation field.”*
- P23.** Imre Ferenc Barna, Sándor Varró, Péter Földi, *“Periodic potentials in periodic external electromagnetic fields.”*
- P24.** Antoine Desrier, Richard Taieb, Jérémie Caillat, *“Asymmetric ionization time-delay in diatomic heteronuclear molecule.”*
- P25.** Sonia Erattupuzha, Václav Hanus, Seyedreza Larimian, Xinhua Xie, Markus Koch, Markus Schöffler, Andrius Baltuška, Gerhard Paulus, Christoph Lemell, Joachim Burgdörfer, Markus Kitzler, *“Laser-sub-cycle control of electron recapture and fragmentation processes in argon dimers.”*
- P26.** Sonia Erattupuzha, Cody L. Covington, Arthur Russakoff, Erik Lötstedt, Seyedreza Larimian, Václav Hanus, Sergiy Bubin, Markus Koch, Stefanie Gräfe, Andrius Baltuška, Xinhua Xie, Kaoru Yamanouchi, Kálmán Varga, Markus Kitzler, *“Enhanced ionization of acetylene in intense laser pulses is due to energy upshift and field coupling of multiple orbitals.”*
- P27.** Tomoya Okino, Yasuo Nabekawa, Katsumi Midorikawa, *“Dissociative ionization processes of D₂ investigated with a-few-pulse attosecond pulse train.”*
- P28.** Hiromichi Niikura, P. Hockett, M.J.J. Vrakking, D.M. Villeneuve, *“Holographic imaging of an attosecond electron wavepacket.”*
- P29.** Nicolas Tancogne-Dejean, Oliver D. Mücke, Franz X. Kärtner, Angel Rubio, *“Impact of the electronic band structure in high-harmonic generation spectra of solids.”*
- P30.** Mikhail Yu. Emelin, L.A. Smirnov, M.Yu. Ryabikin, *“High-frequency atomic stabilization: pulse front optimization for the high-efficiency electron trapping up to relativistic intensity of laser field.”*
- P31.** Richard Hollinger, Pavel Malevich, Skirmantas Ališauskas, Valentian Shumakova, Lukas Trefflich, Robert Röder, Andrius Pugžlys, Daniil Kartashov, Andrius Baltuška, Carsten Ronning, Christian Spielmann, *“Wavelength independent threshold for stimulated emission in ZnO nanowires under nonlinear pumping in the range from 0.8 to 4 μm.”*
- P32.** WeiJie Hua, Shaul Mukamel, *“Multi-configurational study of ultrafast nonlinear X-ray spectroscopy of molecules.”*
- P33.** Zhengrong Wei, Jialin Li, Lin Wang, Soo Teck See, Mark Hyunpong Jhon, Yingfeng Zhang, Fan Shi, Minghui Yang, Zhi-Heng Loh, *“Elucidating the origins of multimode vibrational coherences induced by intense laser fields.”*
- P34.** Gabriela Buica, *“Symmetries in elastic scattering of electrons by hydrogen atoms in two-color bicircular laser fields.”*
- P35.** Gábor Demeter, Gagik P. Djotyan, *“Generation of highly homogeneous, spatially extended Rb plasma for the AWAKE project using fs laser pulses.”*
- P36.** Gagik P. Djotyan, J.S. Bakos, Gábor Demeter, Miklós Á. Kedves, Béla Ráczkevi, D. Dzsotjan, Károly Varga-Umbrich, Zsuzsanna Sörlei, J. Szigeti, P. Ignác, Péter Lévai, Aladár Czitrovsky, Attila Nagy, Péter Dombi, Péter Rácz, *“Interferometric diagnostics of extended laser plasmas for particle acceleration.”*

- P37.** Xiaohong Song, Xiwang Liu, Jingwen Xu, Guangluo Shi, Guojun Zhang, Riuxin Zuo, Qibing Xue, Gaunghan Ge, Huatang Zhang, Cheng Lin, Jing Chen, Weifeng Yang, *“Momentum mapping of continuum electron wave packet interference.”*
- P38.** Xiaohong Song, Xiwang Liu, Jingwen Xu, Guangluo Shi, Guojun Zhang, Riuxin Zuo, Qibing Xue, Gaunghan Ge, Huatang Zhang, Cheng Lin, Jing Chen, Weifeng Yang, *“Unraveling nonadiabatic ionization and Coulomb potential effect in strong-field photoelectron holography.”*
- P39.** Viktor Szaszko-Bogár, Péter Földi, Katalin Varjú, *“Two-color field driven electron dynamics in bulk solids: high-order harmonic generation.”*
- P40.** Marie Labeye, Felipe Zapata, Antoine Desrier, Emanuele Coccia, Valérie Véniard, Eleonora Luppi, Jérémie Caillat, Richard Taieb, *“Gaussian continuum basis functions to compute high harmonic generation spectra.”*
- P41.** Saibabu Madas, Sanjay K. Mishra, Mousumi Upadhyay Kahaly, *“Enhanced photo-electron emission from illuminate phosphorene surface.”*
- P42.** Viktor Ayadi, Péter Földi, Péter Dombi, Károly Tókési, *“Initial phase space dependent tunnel ionization of the hydrogen atom.”*
- P43.** Sándor Borbély, Attila Tóth, Diego G. Arbó, Károly Tókési, Ladislau Nagy, *“Ionization of atoms by few-cycle laser pulses: spatial interference effects.”*
- P44.** Leonid Alexandrov, Mikhail Yu. Emelin, Mikhail Yu. Ryabikin, *“Probing the orientation and alignment dynamics of molecules in a gas using laser-induced THz wave generation.”*
- P45.** Robert J. Levis, K. Moore Tibbetts, J.H. Odhner, S. Matsika, D.A. Romanov, *“Control of strong field photodissociation using a conical intersection in acetophenone and its derivatives.”*
- P46.** Jiří Daněk, Benjamin Willenberg, Jochen Maurer, Benedikt W. Mayer, Christopher R. Phillips, Lukas Gallmann, Michael Klaiber, Karen Z. Hatsagortsyan, Christoph H. Keitel, Ursula Keller, *“Modification of Coulomb-focusing in strong-field ionization due to ellipticity of the laser field and nondipole effects.”*
- P47.** Václav Hanus, Sarayoo Kangaparambil, Seyedreza Larimian, Xinhua Xie, Markus Schöffler, Gerhard Paulus, Andrius Baltuška, Markus Kitzler, *“The molecular attoclock: CEP-control of electronic dynamics during H₂ fragmentation with circularly polarized laser pulses.”*
- P48.** Roland Sándor Nagymihály, Peter Jojart, Huabao Cao, Mikhail Kalashnikov, Ádám Börzsönyi, Vladimir Chvykov, Károly Osvay, *“Measurement of the carrier-envelope phase noise in a polarization-encoded Ti:Sapphire amplifier.”*
- P49.** Seyedreza Larimian, Sonia Erattupuzha, Andrius Baltuška, Markus Kitzler, Xinhua Xie, *“Electron recapture dynamics in strong field double ionization.”*
- P50.** Seyedreza Larimian, Xiaochun Gong, Wenbin Zhang, Andrius Baltuška, Markus Kitzler, Heping Zeng, Jian Wu, Xinhua Xie, *“Imaging high-lying Rydberg states with a weak DC field.”*

Poster session #2, WEDNESDAY, September 27, 10.05

- P51.** Muhammad Ashiq Fareed, V.V. Strelkov, N. Thiré, Sudipta Mondal, Mangaljit Singh, B.E. Schmidt, F. Légaré, Tsuneyuki Ozaki, *“High-order harmonic generation from the dressed autoionizing states.”*
- P52.** Mangaljit Singh, Muhammad Ashiq Fareed, N. Thiré, Sudipta Mondal, B.E. Schmidt, F. Légaré, Tsuneyuki Ozaki, *“High-order harmonic generation below the ionization potential using laser-ablated Indium plume.”*
- P53.** Miguel Angel Porras, Carlos Ruiz-Jiménez, Marcio Carvalho, *“Intense laser beams generating arrays of multiphoton ionization channels for multiple filamentation with controlled geometry.”*
- P54.** Miguel Angel Porras, Balázs Major, *“The spatial variation of the phase of focused few-cycle laser pulses and its control.”*
- P55.** (withdrawn)

P56. (changed title) Vladislav Serov, Anatoli S. Kheifets, *"Time delay in XUV/IR photoionization of atoms and molecules."*

P57. Szabolcs Hack, Sándor Varró, Attila Czirják, *"CEP controlled isolated attosecond light pulses via nonlinear Thomson scattering."*

P58. Szilárd Majorosi, Szabolcs Hack, Mihály Benedict, Attila Czirják, *"Quantum entanglement in strong-field ionization."*

P59. Subhendu Kahaly, A. Leblanc, S. Monchocé, H. Vincenti, F. Quéré, *"Ultrafast attosecond light sources from structured plasma optics."*

P60. S. Beaulieu, A. Comby, D. Descamps, B. Fabre, G. Garcia, R. Géneaux, F. Légaré, L. Nahon, S. Petit, B. Pons, Thierry Ruchon, V. Blanchet, Yann Mairesse, *"Probing ultrafast dynamics of chiral molecules with photoelectron circular dichroism."*

P61. Katalin Kovács, Valer Tosa, *"Attosecond lighthouse generated with shaped mid-infrared laser pulses."*

P62. Valer Tosa, Katalin Kovács, Ana Maria Gherman, Katalin Varjú, *"High order harmonic generation in annular beam configuration."*

P63. Arjun Nayak Puttur, Mathieu Dumergue, Sergei Kühn, Sudipta Mondal, Tamás Csizmadia, Harshitha N.G., Miklós Füle, Giuseppe Sansone, Mousumi Upadhyay Kahaly, Balázs Farkas, Balázs Major, Viktor Szaszko-Bogár, Péter Földi, Szilárd Majorosi, Katalin Varjú, Nikolaos Tzatrafyllis, Emmanouil Skantzakis, Paraskevas Tzallas, Dimitris Charalambidis, Lana Neoričić, Giulio Vampa, Subhendu Kahaly, *"Saddle point approaches in attosecond physics."*

P64. Viktoria E. Nefedova, M. Albrecht, O. Finke, M. Kozlova, M.F. Ciappina, J. Nejd, *"Scaling and efficiency control of high-order harmonic generation in gases."*

P65. Tamás Csizmadia, Mousumi Upadhyay Kahaly, Balázs Major, Katalin Varjú, Mathieu Dumergue, Arjun Nayak Puttur, Giuseppe Sansone, Subhendu Kahaly, *"Chirp in atto pulses generated with few cycle pulse interaction in the strong field regime: microscopic and macroscopic effects."*

P66. Johanna Vos, Laura Cattaneo, Serguei Patchkovskii Patchkovskii, T. Zimmermann, C. Cirelli, Matteo Lucchini, Anatoli Kheifets, A.S. Landsman, Ursula Keller, *"Orientation-dependent stereo Wigner time delay in a small molecule."*

P67. Laura Cattaneo, Johanna Vos, R. Bello, A. Palacios, S. Heuser, L. Pedrelli, L. Gallmann, Matteo Lucchini, C. Cirelli, F. Martín, Ursula Keller, *"Nuclear-electronic coupled photoionisation dynamics of H₂."*

P68. Noslen Suárez, M.F. Ciappina, A. Chacón, Emilio Pstanty, Jens Biegert, Maciej Lewenstein, *"Above-threshold ionization (ATI) in multicenter molecules: the role of the initial state."*

P69. Peifen Lu, Wenbin Zhang, Jian Wu, *"Joint electron-nuclear energy spectroscopy: ultrafast dynamics of molecules."*

P70. Jiwuer Jilili, Fabrizio Cossu, Udo Schwingenschlögl, Mousumi Upadhyay Kahaly, *"Enhanced performance of oxide thermoelectrics: role of spin transport and dynamics in BiMnO₃/SrTiO₃ interface."*

P71. L. Lavenu, M. Natile, F. Gucihard, A. I. González, Yoann Zaouter, Thierry Ruchon, M. Hanna, Eric Mottay, Patrick Geroges, *"Few cycle pulses IR laser system based on a bandwidth-optimized high energy Yb-doped fiber laser: Application to XUV generation."*

P72. Péter Mati, *"Quasiparticles in an interacting system of charge and monochromatic field."*

P73. Anne Harth, Chen Guo, Yu-Chen Cheng, Arthur Losquin, Miguel Miranda, Sara Mikaelsson, Christoph Heyl, Oliver Prochnow, Jan Ahrens, Uwe Morgner, Anne L'Huillier, Cord Arnold, *"Few-cycle OPCPA driven 200 kHz HHG source."*

P74. Mousumi Upadhyay Kahaly, *"Electron dynamics and photonic band engineering in two-dimensional structures."*

- P75.** Sudipta Mondal, Qiliang Wei, Subhendu Kahaly, H. A. Hafez, F. Sylla, Xavier Ropagnol, Muhammad Ashiq Fareed, Shuhui Sun, Tsuneyuki Ozaki, *“Controlling high-field THz bursts in laser plasma interaction via plasma shaping.”*
- P76.** Bernd Schütte, Björn Thorben Kruse, Christian Peltz, Marc J.J. Vrakking, Arnaud Rouzée, Thomas Fennel, *“Controlling ionization of nanoparticles in time.”*
- P77.** Alexander Blättermann, Andreas Kaldun, V. Stooß, Stefan Donsa, H. Wei, R. Pazourek, S. Nagele, Christian Ott, Chii-Dong Lin, Joachim Burgdörfer, T. Pfeifer, *“Observing the ultrafast buildup of a Fano resonance.”*
- P78.** Mathieu Dumergue, Sergei Kühn, Arjun Nayak, Balázs Bódi, Emmanouil Skantzakis, Ioannis Makos, Ioannis Orfanos, Paraskevas Tzallas, *“Quasi-phasematching of high-order harmonics using multiple gas jets under loose focusing conditions.”*
- P79.** Judit Budai, Zsuzsanna Pápa, István Márton, Péter Rácz, Piotr Wróbel, Tomasz Stefaniuk, Péter Dombi, *“Ultrafast photoemission probing plasmon-plasmon coupling.”*
- P80.** Hampus Wikmark, Fabian Brunner, Filippo Campi, Héléne Couder-Alteirac, Jan Lahl, Sylvain Maclot, Jasper Peschel, Linnea Rading, Piotr Rudawsky, Anne L'Huillier, Per Johnsson, *“A high intensity attosecond beamline for pump-probe experiments.”*
- P81.** Alexander A. Silaev, Alexander A. Romanov, Nikolay V. V. Vvedenskii, *“Quantum-mechanical description of low-frequency current excitation during strong-field ionization of multi-electron atoms.”*
- P82.** Anna S. Emelina, Mikhail Yu. Emelin, Mikhail Yu. Ryabikin, *“Scaling laws for high-harmonic yield in the long-wavelength regime.”*
- P83.** Emilio Pisanty, Alvaro Jimenez-Galán, Maciej Lewenstein, *“Anatomy of high-order harmonic emission from p states in bicircular fields.”*
- P84.** Jan Lahl, F. Campi, H. Coudert-Alteirac, S. Maclot, B. Oostenrijk, J. Peschel, L. Rading, Hampus Wikmark, M. Gisselbrecht, P. Johnsson, *“A velocity map ion-electron covariance imaging spectrometer for the investigation of XUV multiphoton ionization processes.”*
- P85.** Isabella Floss, C. Lemmell, G. Wachter, S.A. Sato, X.-M. Tong, K. Yabana, Joachim Burgdörfer, *“Multi-scale simulation of ultra-short pulses interacting with condensed matter: high harmonic generation.”*
- P86.** Vasily A. Kostin, Nikolay V. Vvedenskii, *“Few-cycle electromagnetic pulses from ionization-induced wavemixing of ultrashort laser fields.”*
- P87.** József Kasza, Péter Dombi, Péter Földi, *“High-order harmonic generation in hydrogen-like atoms: Floquet approach.”*
- P88.** Lou Barreau, Vincent Gruson, Kévin Veyrinas, Sébastien J. Weber, Bertrand Carré, Jean-Christophe Houver, Thierry Auguste, Pascal Salières, Danielle Dowek, *“Complete polarization state of extreme ultra-violet harmonics generated by bichromatic counter-rotating circularly polarized laser fields.”*
- P89.** Csaba Lombosi, István Márton, Ashutosh Sharma, János Hebling, Győző Farkas, Péter Dombi, József Fülöp, *“THz-induced strong-field electron emission from a gold surface.”*
- P90.** Ashutosh Sharma, Alexander Andreev, Zoltán Tibai, János Hebling, József Fülöp, *“Effective laser driven proton acceleration from near critical density plasmas.”*
- P91.** Balázs Major, Katalin Kovács, Valer Tosa, Piotr Rudawski, Anne L'Huillier, Katalin Varjú, *“The role of ionization-induced self-guiding in gas high-order harmonic generation.”*
- P92.** Balázs Farkas, H. Coudert-Alteirac, H. Dacasa, F. Campi, E. Kueny, Balázs Major, Katalin Varjú, F. Brunner, S. Maclot, B. Manschwetus, Hampus Wikmark, Jan Lahl, L. Rading, J. Peschel, Ph. Zeitoun, Anne L'Huillier, P. Johnsson, Piotr Rudawsky, *“Micro-focusing of broadband high-order harmonic radiation by a double toroidal mirror.”*
- P93.** Anders Vestergaard, Lars Christiansen, H. Stapelfeldt, *“Demonstration of an optical centrifuge for N₂ molecules: Towards studies inside helium nanodroplets.”*

- P94.** Álvaro Jiménez-Galán, Gopal Dixit, Serguei Patchkovskii, Olga Smirnova, Felipe Morales, Misha Ivanov, *“Attosecond recorder of the polarization state of light.”*
- P95.** Hiroto Motoyama, Atsushi Iwasaki, Takahiro Sato, Hidekazu Mimura, Kaoru Yamanouchi, *“Focusing EUV high-order harmonics at the diffraction limit.”*
- P96.** (withdrawn)
- P97.** (withdrawn)
- P98.** Stefan Donsa, Renate Pazourek, Stefan Nagele, Iva Březinová, Joachim Burgdörfer, *“Strong-field interaction of doubly excited states in helium: time gating and population transfer.”*
- P99.** Gellért Zsolt Kiss, Sándor Borbély, L. Nagy, Katalin Kovács, *“Efficient numerical method for investigating diatomic molecules with single active electron subjected to intense and ultrashort XUV laser fields.”*
- P100.** Benedek J. Nagy, Béla Lovász, Viktória Csajbók, Péter Dombi, *“Ultrafast nanoplasmonic photoemission with few-cycle laser pulses.”*
- P101.** Mihály András Pocsaj, Imre Ferenc Barna, Károly Tókési, *“Photoionisation of rubidium in strong laser fields.”*
- P102.** Hongcheng Ni, Ulf Saalmann, Jan-Michael Rost, *“Tunneling exit characteristics from classical backpropagation of an ionized electron wave packet.”*
- P103.** Tahir Shaaran, Nicolas Camus, J. Dura, L. Fechner, A. Thai, A. Britz, M. Baudisch, A. Senftleben, C. D. Schröter, J. Ullrich, T. Pfeifer, K. Hatsagortsyan, J. Biegert, Christoph H. Keitel, R. Moshhammer, *“Role of high ponderomotive energy in laser induced non-sequential double ionization of atoms.”*
- P104.** J. Solanpää, D. Reich, E. Goetz, M. Ciappina, C. Koch, E. Räsänen, *“Designing plasmonic fields for high-harmonic generation.”*
- P105.** A. Chatterley, C. Schouder, L. Christiansen, Henrik Stapfeldt, *“Field-free alignment of large molecules in helium nanodroplets.”*
- P106.** C. Lemell, Joachim Burgdörfer, Károly Tókési, *“Attosecond streaking of photoelectrons emitted from solids.”*
- P107.** Nikolay Shvetsov-Shilovski, M. Lein, L.B. Madsen, E. Räsänen, C. Lemell, Joachim Burgdörfer, D.G. Arbó, Károly Tókési, *“Two-step semiclassical model for strong-field ionization.”*