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P01.01	<u>D. Stolwijk</u> , E.F.C. Driessen, M.A. Verschuuren, G.W. 't Hooft, M.P. van Exter, M.J.A. de Dood	LEI	Index matching of surface plasmons
P01.02	<u>J. Jose</u> , J.P. Korterik, F.B. Segerink, H.L. Offerhaus	UT	Sub wavelength observation of Goos-Hanchen and surface plasmon phase shifts
P01.03	M. Kuttge, <u>E.J.R. Vesseur</u> , R. de Waele, A. Polman	AMOLF	Surface plasmons probed by cathodoluminescence
P01.04	<u>K.R. Catchpole</u> , M. Verschuuren, E. Verhagen, A. Polman	AMOLF	Surface plasmons for high efficiency solar cells
P01.05	<u>R. van Loon</u> , E. Verhagen, L. Kuipers, A. Polman	AMOLF	Surface plasmon excitation and concentration in erbium-doped nanostructures
P01.06	<u>S. Bidault</u> , A.F.Koenderink, R. de Waele, A. Polman	AMOLF	Nano-antennas of coupled plasmon particles for enhanced light-matter interactions
P01.07	<u>O.L. Muskens</u> , S. Diedenhofen, M.T. Borgström, E.P.A.M. Bakkers, J. Gómez Rivas, A. Lagendijk	AMOLF	Enhanced backscattering spectroscopy of semiconductor nanowire materials
P01.08	<u>G. Vecchi</u> , Y. Zhang, J. Gómez Rivas, E.P.A.M. Bakkers, M.T. Borgström, R. Meijers, R. Calarco	AMOLF	Optical anisotropy of semiconductor nanowires

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P01.09	<u>M.A.M. Versteegh</u> , H.Y. Li, D.A.M. Vanmaekelbergh, J.I. Dijkhuis	UU	Strain pulses in lasing ZnO nanowires
P01.10	<u>Alex Hartsuiker</u> , Leon Woldering, Allard Mosk, Willem Tjerkstra, Bart Husken, Willem Vos	AMOLF	Optical properties of two dimensional silicon photonic crystals
P01.11	<u>M.D. Leistikow</u> , S. Kettelarij, B.H. Husken, O. Bok, W.L. Vos	AMOLF	Measuring optical properties of quantum dots by controlling the LDOS
P01.12	<u>C. Blum</u> , A.P. Mosk, I. Nikolaev, UT C. Uju, V. Subramaniam, W.L. Vos	UT	Color control of natural fluorescent proteins by photonic crystals
P01.13	<u>H.H.J.E. Kicken</u> , J. Gabriels, R.W. TU/e van der Heijden, F. Karouta, R. Nötzel, E. van der Drift, E.M. Roeling, B. Rong, M.H. Hoang, J. Caro, S. Rogge, H.W.M. Celeniak	TU/e	Transmission spectra of deeply etched InP and GaN photonic crystals
P01.14	<u>W. de Boer</u> , D. Timmerman, S. Minissale, T. Gregorkiewicz	UvA	Carrier relaxation and recombination kinetics in Si nanocrystals
P01.15	<u>S. Kuiper</u> , S.J. Picken	TUD	Phenylene and thiophene based pentamers liquid crystals
P01.16	<u>Maksym Sladkov</u> , Dirk Reuter, Atac Imamoglu, Caspar H. van der Wal	RuG	Towards quantum optics with electron spin ensembles in a GaAs quantum well

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P01.19	<u>Sanli Faez</u> , Patrick M. Johnson, Ad Lagendijk	AMOLF	Effusion microscopy for characterizing Anderson localization and anisotropic diffusion of light
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P01.23	<u>C.A. Marocico</u> , J. Knoester	RuG	Intermolecular interactions and energy transfer near a dielectric cylinder
P01.24	<u>M. Slaman</u> , B. Dam, R. Griessen	VU	Detecting hydrogen by using switchable mirror coated optical fiber tips

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P01.26	<u>M.C.R. Heijna</u> , J. Löffler, E.E. Bende, B.B. van Aken, W.J. Soppe, A. Antony, J. Bertomeu	ECN	Nanoimprint lithography of periodic textures for light trapping in thin film silicon solar cells
P01.27	<u>M. Forcales</u> , J. Gómez Rivas, J.A. Sánchez Gil	AMOLF	Surface waves on absorbing media
P01.28	<u>R. Arts</u> , L. Prodan, P.J.M. v.d. Slot, L. Kuipers, K.-J. Boller	UT	Guided-mode mid-IR characterization of a 2D Silicon PhC slab with ATR
P01.29	<u>P.J.M. van der Slot</u> , K.-J. Boller, W. van der Zande	UT	The Nijmegen Free-Electron Laser
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P01.31	<u>A. Slachter</u> , <u>T. Last</u> , J. Liu, B.J. van Wees, C.H. van der Wal	RuG	Search for spin dephasing anisotropy in quasi 1D wire arrays
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P01.34	<u>P.J.S. van Capel</u> , H.P. Porte, J.I. Dijkhuis	UU	Ultrafast generation and detection of high-amplitude strain in GaN/InGaN quantum well structures
P01.35	<u>M. Otter</u> , S. Sirbu, D.A. Fishman, P.H.M. van Loosdrecht	RuG	Optical properties of cuprous oxide
P01.36	<u>A.F. Nieuwenhuis</u> , C.J. Lee, P.J.M. van der Slot, K.-J. Boller	UT	Application of mid-infrared attenuated total reflectance spectroscopy using a broadly tuneable ZnGeP2 OPO
P01.37	<u>N.Q. Vinh</u> , B. Redlich, A.F.G. van der Meer, T. Gregorkiewicz, B.N. Murdin	Rijnhuizen	Picosecond capture of carriers by thermal double donors in silicon
P01.38	<u>C.D. Stanciu</u> , F. Hansteen, A.V. Kimel, A. Kirilyuk, A. Tsukamoto, A. Itoh, Th. Rasing	RU	Ultrafast data storage: switching magnets by light
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P01.40	<u>I.M. Vellekoop</u> , E.G. van Putten, A. Lagendijk, A.P. Mosk	UT	Paper thin opaque lenses

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P01.43	<u>Maarten Sluijter</u> , Dick K.G. de Boer, Joseph M.M. Braat	Philips	General polarized ray tracing of inhomogeneous uniaxially anisotropic media
P02.01	<u>Bart-Jan Pors</u> , Sumant S.R. Oemrawsingh, Martin P. van Exter, Eric R. Eliel, J.P. Woerdman	LEI	High-dimensional spatial entanglement of twin-photons
P02.02	<u>W.H. Peeters</u> , M.P. van Exter, J.P. Woerdman	LEI	Entanglement generation in periodically-poled crystals
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P02.04	<u>P.F. Chimento</u> , M. Jurna, E.T. Garbacik, H.L. Offerhaus	UT	PPLN-based OPO for CARS spectroscopy in the fingerprint region
P02.05	<u>A.G. Dijkstra</u> , T.L.C. Jansen, J. Knoester	RuG	Two-dimensional optical spectra of molecular aggregates

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P02.07	<u>H.L. Bethlem</u> , G. Meijer, W. Ubachs	VU	A molecular fountain
P02.08	T.G. Tiecke, <u>A. Ludewig</u> , S. Kraft, S.D. Gensemer, J.T.M. Walraven	UvA	A fermion mixture of ultracold ${}^6\text{Li}$ and ${}^{40}\text{K}$
P02.09	<u>J.J.P. van Es</u> , S. Whitlock, T. Fernholz, A.H. van Amerongen, N.J. van Druten	UvA	Robust RF dressed potentials on an atom chip
P02.10	<u>T.G. Tiecke</u> , S.J.J.M.F. Kokkelmans, J.T.M. Walraven	UvA	A semi-empirical model to assign and predict Feshbach resonances
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P02.12	<u>P. Sobocinski</u> , S. Bari, J. Postma, F. Alvarado, R. Hoekstra, T. Schlathölter	KVI	Ionization and fragmentation of anthracene by keV protons and $\alpha$ -particles
P02.13	<u>S. Bari</u> , M. Inklaar, J. Postma, F. van Seijen, R. Hoekstra, T. Schlathölter	KVI	Radiation damage studies on water-embedded biomolecules

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P02.15 <u>L. Prodan</u> , R. Hagen, R. Arts, P. Groß, L. Kuipers, K.-J. Boller	UT	Spectral investigation of a 2D photonic crystal slab for mid-IR radiation
P02.16 <u>K.B. Gubbels</u> , H.T.C. Stoof	UT	Theory for $p$ -wave Feshbach molecules
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P02.19 <u>R. Augulis</u> , A. Pugžlys, V.A. Malyshev, J. Knoester, P.H.M. van Loosdrecht	RuG	Energy level statistics in one-dimensional molecular aggregates
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P02.24	<u>M. Sohani</u> , D.J. van der Hoek, W.L. Kruithof, K. Jungmann, L. Willmann, H.W. Wilschut	KVI	Trapping and polarizing of $^{21}\text{Na}$
P02.25	<u>L.W. Wansbeek</u> , O.O. Versolato, L. Willmann, K. Jungmann, R.G.E. Timmermans	KVI	Atomic parity violation in one single trapped radium ion as a probe of electroweak running
P02.26	<u>A. Mol</u> , J. Van den Berg, U. Dammalapati, S. De, K. Jungmann, L. Willmann, H.W. Wilschut	KVI	Search for a permanent electric dipole moment in the radium atom
P02.27	<u>Dimitar H. Dobrikov</u> , Maurice H. M. Janssen	VU	Photodissociation of quantum state-to-state dynamics
P02.28	<u>Elena Crespo</u> , Marco Steeghs, Cor Sikkens, Simona M. Cristescu, Frans J.M. Harren	RU	Differentiation of 10 monoterpenes by Collisional Induced Dissociation (CID) with a Proton transfer reaction Ion Trap Mass Spectrometer (PIT-MS)
P02.29	<u>C.S.E. van Ditzhuijzen</u> , A.F. Tauschinsky, A.F. Koenderink, F. Robicheaux, L.D. Noordam, H.B. van Linden van den Heuvell	UvA	Spatially resolved observation of dipole-dipole interaction between Rydberg atoms

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P02.36	<u>R.J.H. Klein-Douwel</u> , N.J. Dam, J.J. ter Meulen	RU	Optical diagnostics of NO formation intermediates in combustion processes
P02.37	<u>J.J.A. van den Dungen</u> , O. Gabriel, W.M. Soliman, D.C Schram, R. Engeln	TU/e	VUV-LIF spectroscopy of Ro-vibrationally excited HD molecules produced in hydrogen-deuterium plasmas

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P02.38	<u>Joop J. Gilijamse</u> , Steven Hoekstra, Ludwig Scharfenberg, Markus Metsälä, Peter Zieger, Sebastiaan Y.T. van de Meerakker, Gerard Meijer	FHI Berlin	Experiments with Stark decelerated and trapped cold molecules
P02.39	<u>S. Knoop</u> , F. Ferlaino, M. Mark, M. Berninger, H. Schöbel, H.-C. Nägerl, R. Grimm	Universität Innsbruck	Collisional properties of ultracold Cs Feshbach molecules
P02.40	<u>S. Paprotskiy</u> , X. Gu, J.N. Hovenier, E.E. Orlova, <u>J.R. Gao</u> , T.M. Klapwijk	TUD	Interference rings in the far-field beam of a surface plasmon THz quantum cascade laser
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P03.02	<u>D.H. Nguyen</u> , O.W.B. Benningshof, R. Jochensen, A.M. Beker, I. Disatnik	LEI	Visualization and characterization of surface roughness in nanochannels
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P03.04	<u>J.W.W. van Tilburg</u> , M. Scheffler, S. Nadj-Perge, L.P. Kouwenhoven, M. Borgström, E.P.A.M. Bakkers	TUD	Quantum transport devices based on semiconducting nanowires
P03.05	<u>D.E.P. Vanpoucke</u> , G. Brocks, A. van Houselt, O. Gurlu, N. Oncel, H.J.W. Zandvliet	UT	The Germanium-Platinum (001) surface as a template for nanowires

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P03.07 <u>J.J.H.M. Schoonus</u> , F.L. Bloom, H.J.M. Swagten, B. Koopmans	TU/e	Extremely large magnetoresistance in boron-doped silicon
P03.08 <u>E.C. Heeres</u> , A.F. Beker, M.H. van Es, D.W. van Baarle, A.V. Patil, T.H. Oosterkamp	LEI	Multifunctional carbon nanotube probes
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P03.12 <u>M.H. van Es</u> , J. Tang, P. Hinterdorfer, T.H. Oosterkamp	LEI	High resolution AFM TREC imaging shows single molecule binding dynamics
P03.13 <u>Michael Galouzis</u> , Aurélien Nicolet, Mikhail Kol'chenko, Michel Orrit	LEI	Single molecules as probes of electric transport in organic field-effect transistors at low temperatures

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P03.20	<u>G.M.M. Wakker</u> , M. Blaauboer	TUD	Quantum phase pumping in quantum dots
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P03.25	<u>W.J.M. Naber</u> , M.F. Craciun, A.S. Molinari, A.F. Morpurgo, W.G. van der Wiel	UT	Ferromagnetic contacts for organic single crystal spinvalves
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P03.32	<u>M.T. Trinh</u> , J.M. Schins, A. Goossens, A.J. Houtepen, D. Vanmaekelbergh, T.Hanrath, R.A.J. Janssen, L.D.A. Siebbeles	TUD	Multi-exciton generation and dissociation in PbSe-PPV blends for high-efficiency solar cells
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P03.34	<u>J. Hofhuis</u> , J. Schoonman, A. Goossens	TUD	Elucidation of the excited-state dynamics in CuInS <sub>2</sub> solar cells
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P03.36	<u>H.B. Akkerman</u> , A.J. Kronemeijer, P. van Hal, D.M. de Leeuw, P.W.M. Blom, B. de Boer	RuG	Electron tunneling through self-assembled monolayers in molecular junctions
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P03.43	<u>S. Bretzel</u> , G.E.W. Bauer, Y. Tserkovnyak	TUD	Spin-orbit interaction in a rotating rolled-up two-dimensional electron gas
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P03.46	<u>X.L. Liu</u> , D. Wehenkel, H.B. Heersche, J.B. Oostinga, A.F. Morpurgo, L.M.K. Vandersypen	TU/e	Quantum dots on graphene
P03.47	<u>V.M. Karpan</u> , G. Giovannetti, P.A. Khomyakov, M. Talanana, M. Zwierzycki, J. van den Brink, G. Brocks, P.J. Kelly	UT	Graphite and graphene as perfect spin filters
P03.48	<u>D. Makogon</u> , V. Juricic, C. Morais Smith	UU	Transport properties of Luttinger liquids with oscillating impurities
P03.49	<u>J.S. Seldenthuis</u> , J.M. Thijssen, M.A. Ratner, H.S.J. van der Zant	TUD	<i>Ab initio</i> calculations on vibrational spectra in single molecule junctions
P03.50	<u>A. Slobodskyy</u> , A. Slachter, B.J. van Wees	RuG	Spin torque measured in lateral devices
P03.51	<u>R. Ramaneti</u> , Y.J. Lee, R. Jansen	UT	Kondo effect and impurity band conduction in Co:TiO <sub>2</sub> magnetic semiconductor
P03.52	<u>P.J. Rizo</u> , C.H. van der Wal, P.H.M. van Loosdrecht	RuG	Time-resolved cryogenic Kerr microscope for studies of spin dynamics in microstructures
P03.53	<u>K. Jarolimek</u> , R.A. de Groot, G.A. de Wijs, M. Zeman	RU	<i>Ab initio</i> simulations of hydrogenated amorphous silicon

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P04.01	<u>Oleg Antoniuk</u> , Rudolf Sprik	UvA	Resonances in acoustic chaotic cavities
P04.02	<u>O. Mouraille</u> , S. Luding	TUD	Acoustic waves in granular materials
P04.03	<u>S. Jabbari-Farouji</u> , Pim G.A. Janssen, Albertus Schenning, Paul van der Schoot	TU/e	Modelling templated assembly of supramolecules
P04.04	<u>S. May</u> , E. Teerhuis, R.J. Wijngaarden	VU	Spatial and temporal behaviour of tracer grains in a granular avalanche
P04.05	<u>O.W.B. Benningshof</u> , D.H. Nguyen, W.A. Bosch, I.A.J. Taminiau, R. Jochemsen	LEI	Helium three in nanochannels
P04.06	<u>Alexey V. Lyulin</u> , M.A.J. Michels	TU/e	Timescales and mechanisms of relaxation in the energy landscape of deformed polymer glass: Direct Atomistic Modelling
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P04.14 <u>L.P. van Dijk</u> , S.P. Kersten, P. van der Schoot, P.A. Bobbert	TU/e	Optical properties of self-assembled supramolecular aggregates
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P04.22 <u>Patrick Charbonneau</u> , Bianca M. Mladek, Daan Frenkel	AMOLF	Phase coexistence of cluster crystals: beyond the Gibbs phase rule
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P05.03	<u>J.J.M. Peters</u> , T.J.A. Kokhuis, S. van Aarssen, J.W. Gerritsen, R.A. de Groot, S. Speller	RU	Atomic and Magnetic Force Microscopy and magnetometry on magnetite nanoparticles from migratory fish species and ferrofluid particles
P05.04	L. Jdira, E.P. Houwman, <u>N. Niermann</u> , H. Boschker, G. Maris, G. Rijnders, D.H.A. Blank, S. Speller	RU	Scanning tunneling microscopy and spectroscopy of STO/LSMO films
P05.05	<u>Joska Broekmaat</u> , F. Roesthuis, A. Brinkman, H. Rogalla, Dave H.A. Blank, Guus Rijnders	UT	Observing oxide surfaces at epitaxial growth conditions with atomic force microscopy
P05.06	<u>Juequan Chen</u> , Eric Louis, Fred Bijkerk, Reinhard Kunze, Hagen Schmidt, Dieter Schneider	Rijnhuizen	Characterization of thin films by laser-generated surface acoustic waves
P05.07	<u>C. Celebi</u> , P.M. Koenraad, A.Yu. Silov, J.-M. Tang, M.E. Flatté	TU/e	Cross-sectional Scanning Tunneling Microscopy Study of local electronic structure of individual acceptor states in III-V semiconductors



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P05.22	R. Machunze, <u>G.C.A.M. Janssen</u>	TUD	Stress gradients in titanium nitride films
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P05.25	<u>A.H. Arkenbout</u> , T.T.M. Palstra	RuG	New ferromagnetic semiconductors
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P05.30	<u>J. Huijben</u> , M. van Zalk, M. Huijben, U. Zeitler, J.C. Maan, W.G. van der Wiel, G. Rijnders, D.H.A. Blank, A. Brinkman, H. Hilgenkamp	UT	Magnetic effects at the interface between non-magnetic oxides
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P05.33	<u>C. Beekman</u> , I. Komissarov, J. Aarts	LEI	Size effects in the magnetotransport properties of manganite thin films
P05.34	<u>T. Tsarfati</u> , E. Zoethout, R.W.E. van de Kruijs, F. Bijkerk	Rijnhuizen	Noble metal nanolayers for multilayer surface protection
P05.35	<u>L.M. Toma</u> , R. Gengler, F. Lloret, P. Rudolf	RuG	Langmuir Blodgett films composed of alternating 2D networks of cyanide-containing systems
P05.36	<u>P.V. Paluskar</u> , G.A. de Wijs, J.J. Attema, S. Fiddy, E. Snoeck, J.T. Kohlhepp, H.J.M. Swagten, R.A. de Groot, B. Koopmans	TU/e	Key concepts in tunnelling through AlO <sub>x</sub> tunnel junctions
P05.37	<u>H. Xie</u> , A. Molinari, S. Fratini, S. Ciuchi, I. Gutiérrez, P. Parisse, I. Hulea, S. Russo, A.F. Morpurgo	TUD	Metal-organic and dielectric-organic interfaces in single-crystals field-effect transistors
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P05.41	<u>A.J.R. van den Boogaard</u> , E. Louis, E. Zoethout, S. Alonso van der Westen, S. Müllender, F. Bijkerk	Rijnhuizen	Layer-smoothing properties of single- and multilayer coatings, a method to smoothen EUV mirror substrates
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P05.43	<u>V. Fokkema</u> , M. den Heijer, A.C. Geluk, M.J. Rost	LEI	A challenge in STM-technology: video-rate imaging during film growth
P05.44	<u>E.B. Fourré</u> , F.C. Tabak, J.W.M. Frenken	LEI	Towards understanding the self-assembly process of a boron nitride nanomesh by high-speed, variable-temperature STM
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P06.09 <u>M.A. van der Vegte</u> , A.M. Hriscu, M. Mostovoy	RuG	Coexistence of two charge-density-waves in VO <sub>2</sub>
P06.10 <u>A.O. Koetsier</u> , R.A. Duine, H.T.C. Stoof	UU	Achieving the Néel state in an optical lattice
P06.11 <u>N. Mufti</u> , A.A. Nugroho, T.T.M. Palstra	RuG	Negative thermal expansion and magnetodielectric coupling in Spinel (Mn,Co)Cr <sub>2</sub> O <sub>4</sub>
P06.12 <u>Lih-King Lim</u> , C. Morais Smith, A. Hemmerich	UU	Staggered flux phase for ultracold bosons in optical lattices
P06.13 <u>A. Gasparini</u> , N.T. Huy, J.C.P. Klaasse, Y. Huang, A. de Visser	UvA	Thermal expansion and Grüneisen ratio near a quantum critical point

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P06.15	<u>I. Santoso</u> , S. de Jong, F. Masee, Y. Huang, A. Mans, W.K. Siu, R. Follath, M. Shi, L. Patthey, M.S. Golden	UvA	Surprises in the self energy of the overdoped high $T_c$ superconductor (Pb,Bi) <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub>
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P06.17	<u>L. Huijse</u> , J. Halverson, P. Fendley, K. Schoutens	UvA	Superfrustration, tilings and quantum criticality
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P06.20	<u>D.A. Mazurenko</u> , D. Fishman, A.A. Nugroho, T.T.M. Palstra, P.H.M. van Loosdrecht	RuG	Dynamics of spin and orbital phase transitions in perovskites
P06.21	<u>S.B. Koller</u> , R. Meppelink, J.M. Vogels, P. van der Straten	UU	Hydrodynamics and interactions between the normal and BEC phase



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P07.01 <u>Amer Mahmood</u> , Tim H.J.J. van der Hagen, Rob F. Mudde, Martin Rohde	TUD	Experimental study of cross flow of vapor between two channels connected through a curved gap region
P07.02 O.E. Dragomir, E.H. van Veen, <u>B. Bougie</u> , M.J. Tummers, A.E.D.M. van der Heijden, D.J.E.M. Roekaerts	TUD	Mass spectrometry experiments in a HNF flame
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P07.04 <u>A.K. Pozarlik</u> , J.B.W. Kok, T.H. van der Meer	UT	Fluid structure interaction for combustion systems
P07.05 <u>U. Lekic</u> , J.B.W. Kok	UT	Heat transfer in oil-free piston compressors
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P07.13	<u>Bram Borkent</u> , Shangjiong Yang, Stefan Kooij, Holger Schönherr, Bene Poelsema, Julius Vancso, Harold Zandvliet, Detlef Lohse	UT	Pieces of the nanobubble puzzle
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