

USER MEETING 2018

LIST OF POSTERS SUBMITTED FOR THE POSTER SESSION

Name	First Name	Author(s)	Poster title
ANDRAULT	Denis	Andrault D., M. Muñoz, G. Pesce, V. Cerantola, A. Chumakov, I. Kantor, S. Pascarelli, R. Rüffer, L. Hennet	A large excess of Fe ³⁺ stored in deep mantle phases could be a source for oxygen at the Earth's surface
ARAKCHEEVA	Alla	A. Arakcheeva, V. Svitlyk, E. Polini, L. Henry, D. Chernyshov, A. Sienkiewicz, G. Girit, A. Glushkova, M. Kollar, B. Nafradi, L. Forro and E. Horvath	Pressure-induced transformations of CH ₃ NH ₃ PbI ₃ : role of the noble-gas pressure transmitting media
ARNAY ORTIGOSA	Iciar	Iciar Arnay, Juan Rubio-Zuazo, Min-Hsiang Mark Hsu, Ziyang Liu, Clement Merckling, Aída Serrano, German R. Castro	Implementation of epitaxial Fe ₃ O ₄ thin films on Si(100) using a SrTiO ₃ buffer: A synchrotron based characterization.
BAKKEN	Kristine	Kristine Bakken, Anders B. Blichfeld, Julia Glaum, Sverre M. Selbach, Tor Grande, Mari-Ann Einarsrud	Nucleation and Growth Mechanisms During Aqueous Chemical Solution Deposition of Oxide Thin Films
BEATTIE /KORICHENVA	John/Irina	John BEATTIE, Diane GODIN-RIBUOT, Vanessa TARDILLO SUAREZ, Sam BAYAT, Sylvain Bohic, and Irina KORICHNEVA	2D x-ray fluorescence imaging of elemental composition in breast cancer cells using ID16B-NA beamline: effect of acute redox stress and intermittent hypoxia mediated by TRPM7 ion channel.
BECHER	Johannes	Johannes Becher, Thomas L. Sheppard, Dmitry E. Doronkin, Debora M. Meira, Andreas M. Gänzler, Federico Benzi, Maria Casapu, Jan-Dierk Grunwaldt	Rapid operando XAS probing of exhaust gas catalysts during transient temperature driving cycles

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BLICHFELD	Anders	Anders B. Blichfeld, Kristine Bakken, Julia Glaum, Mari-Ann Einarsrud, Tor Grande	In situ annealing setup for crystallization studies of thin films
BLOCH	Leonid	L. Bloch, J. C. da Silva, and J. A. van Bokhoven	Characterizing a Catalytic Body Structure Using State-of-the-Art Imaging Techniques
BOMBELLI	Luca	L. Bombelli, M. Manotti, R. Alberti, A. Alborini, T. Frizzi	DANTE, A Multi-Channel Digital Pulse Processor to Exploit CUBE Preamplifier Ultimate Energy Resolution and High-Count Rate Capability
BORDAGE	Amélie	Amélie Bordage, Anne Bleuzen, Juan-Ramon Jiménez, Rodrigue Lescouëzec, Kristina Kvashnina	The Co and Fe speciation in PBAs and their derivatives : Evolution from the polymer down to the molecule
BOUVEROT	Romain	R. Bouverot, G. Giachin, M. Jessop, S. Acajjaoui, M. Hons, I. Gutsche & M. Soler-Lopez	Molecular characterization of the mitochondrial complex I assembly (MCIA) complex: insights into Alzheimer's disease pathogenesis
BRENNICH	Martha	M.Brennich, S. Hutin, M. Tully and P. Pernot	Online HPLC for BioSAXS
CAPRON	Marie	Marie Capron, Peter van der Linden, Pierre Lloria, Alain Panzarella, Diego Pontoni	The Partnership for Soft Condensed Matter at the ESRF: Examples of Atomic ForceMicroscopy Instruments and Developments Applied to Wood Science
CARNIS	Jerome	J. Carnis, L. Gao, J. P. Hoffman, S. Labat, O. Thomas, T. Schüllli, M.-I. Richard	In-situ Coherent X-ray Diffraction Imaging of Pt nanoparticles for the study of catalysis.
CARUSO	Matteo	M. Caruso, P. Huyghe, J.L. Collet	In-situ investigation of metallurgical phenomena occurring during Quench and Partitioning in a Continuous Annealing Line

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CERANTOLA	Valerio	V. Cerantola, E. Bykova, I. Kuppenko, M. Merlini, L. Ismailova, C. McCammon, M. Bykov, A. I. Chumakov, S. Petitgirard, I. Kantor, V. Svitlyk, J. Jacobs, M. Hanfland, M. Mezouar, C. Prescher, R. Rüffer, V. Prakapenka, and L. Dubrovinsky	Stability of iron-bearing carbonates in the deep Earth's interior
CHUMAKOV	Andrei	Andrei Chumakov, Oleg Konovalov, Irina Snigireva (ESRF), Alexei Vorobiev (ILL), Artem Eliseev, Lev Trusov, Andrei Eliseev (MSU)	Organization of Two-dimensional Arrays of Magnetic Charged Nanoplates under the Langmuir Film
CID BARRENO	Rosalía	R. Cid, J. Rubio-Zuazo, G. R. Castro	Structural study of Fe ₃ O ₄ /La _{0.7} Ca _{0.3} MnO ₃ thin films grown epitaxially on different crystallographic directions.
CLEMENTE	Ilaria	Emanuela Di Cola, Kristian Torbensen, Ilaria Clemente, Federico Rossi, Sandra Ristori, Ali Abou-Hassan	Lipid-stabilized water-oil interfaces studied by microfocusing SAXS
COJOCARU	Elena-Ruxandra	Ruxandra Cojocaru, Sebastien Berujon, Thierry Martin, Margie Olbinado and Eric Ziegler	A speckle-based method for hard X-ray pulse wavefront characterization
COLLINGS	Ines	Ines E. Collings, Maxim Bykov, Michael Hanfland	High pressure phases of multiferroic metal-organic frameworks
COLVIN	Kirstin	CAPELLAS/COLVIN	#HumansoftheESRF - Stories from the people of the ESRF
CORNACIU	Irina	Irina Cornaciu, Anne-Sophie Humm, Guillaume Hoffmann, Vincent Mariaule, Damien Clavel, Michal Jamroz, Peter Murphy, Matthew Bowler, Didier Nurizzo, Stephanie Monaco, Christoph-Mueller Dieckmann, Gordon Leonard and José A. Márquez	Automated, remote-controlled protein crystallography screening pipelines

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CUARTERO YAGUE	Vera	V. Cuartero, M. El Idrissi, V. Monteseguro, O. Mathon, T. Irifune and A. Sanson	X-ray absorption spectroscopy study of CuO at high pressure: the first binary multiferroic at room temperature.
DANIEL	Isabelle	Muriel Andreani, Isabelle Daniel, J.-Philippe Perrillat, Hervé Cardon	Effect of the Hydrothermal Fluid Composition on the Serpentinization Rate of Olivine and Pyroxene
DANIEL	Isabelle	Isabelle Daniel, Sébastien Facq, Sylvain Petitgirard, Hervé Cardon, Dimitri A. Sverjensky	Solubility of Aragonite in Subduction Water-Rich Fluids
DECELLE	Johan	Johan Decelle, Hryhoriy Stryhanyuk, Benoit Gallet, Giulia Veronesi, Sophie Marro, Giovanni Finazzi, Clarisse Uwizeye, Yannick Schwab, Nicole Schieber, Rémi Tucoulou, Niculina Musat	Structural and metabolic transformation of microalgae in oceanic symbioses
DEPERNET	Hadrien	Hadrien DEPERNET, Sylvain Aumonier, Gordon Leonard, Antoine Royant	Conformational evolution of proteins by time-resolved millisecond crystallography using caged compounds
DIAZ-LOPEZ	Maria	Maria Diaz-Lopez, Pierre Bordet, Claire V. Colin, Yves Joly, Melanie Freire and Valerie Pralon	Local structure and lithium diffusion in Li ₄ Mn ₂ O ₅ rock-salt type high capacity cathode probed by total scattering and XANES
DOMART	Florelle	Florelle Domart, Asunción Carmona, Stéphane Roudeau, Francesco Porcaro, Daniel Choquet, Richard Ortega	Role of Zinc in Cytoskeleton Stability of Hippocampal Neurons
ERSHOV	Petr	Ershov Petr, Barannikov Alexander, Lyatun Ivan, Zverev Dmitry, Kuznetsov Serguei, Yunkin Vyacheslav, Snigireva Irina, Snigirev Anatoly	The high-resolution reciprocal-space mapping by refractive X-ray optics

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EVANS	Paul	Paul Evans, Jerome Carnis, Marie-Ingrid Richard, Anastasios Pateras, Lieven Vandersypen	Elastic Structural Distortion in GaAs Qubyte Heterostructures
FABIO CESAR DOS SANTOS	Fabio	Fábio C. dos Santos*, Laura Simonelli, Sandra H. Pulcinelli, Celso V. Santilli, Peter Hammer	Organic-inorganic hybrid coatings and its structural modification by different cerium doping levels
FARDIN	Luca	L. Fardin, L. Broche, G. Lovric, A. Larsson, A. Bravin, S. Bayat	High-resolution time-resolved phase-contrast synchrotron CT for mapping cardiac-induced lung motion
FAVRE-NICOLIN	Vincent	Vincent Favre-Nicolin	PyNX, a Coherent Imaging toolkit based on Operators and GPU computing
FERRER	Jean-Luc	J-L Ferrer, X Vernede, Y Sallaz-Damaz, C Berzin, P Jacquet, M Budayova-Spano, D Cobessi, F Borel	Automated room temperature ligand screening on beamline FIP-BM30A at the ESRF
FLENNER	Silja	Silja Flenner, C. Schaber, I. Greving, E. Larsson, D. Laipple, I. Krasnov, H. Stieglitz, S. N. Gorb, M. Rosenthal, M. Brughammer, M. Müller	In situ investigations of spider attachment hairs using scanning X-ray nanobeam diffraction and small-angle scattering
FORTMANN-GROTE	Carsten	Carsten Fortmann-Grote	Simulations of complex experiments at advanced light sources
GEANDIER	Guillaume	G. Geandier, S. Allain, M. Gouné, S. Aoued, F. Danoix, M. Soler, J.C. Hell	In situ analysis of partitioning mechanisms in Q&P steels by high energy X-ray diffraction.
GEONDZHIAN	Andrey	Andrey Geondzhian, Keith Gilmore	Green's function approach to vibrational contributions in X-ray spectroscopy
GILMORE	Keith	Keith Gilmore	Take a plunge into the OCEAN
GRENDAL	Ola Gjoennes	Ola G. Grendal, Anders B. Blichfeld, Wouter van Beek, Sverre M. Selbach, Julia Glaum, Tor Grande, Mari-Ann Einarsrud	In situ X-ray diffraction studies during hydrothermal synthesis of BaTiO ₃

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HEKTOR	Johan	J. Hektor, J.-B. Marijon, M. Ristinmaa, S. A. Hall, H. Hallberg, S. Iyengar, J.-S. Micha, O. Robach, F. Grennerat, O. Castelnaud	Microdiffraction Studies of the Strain Field Around Tin Whiskers
HENRY	Laura	Laura Henry, Mohamed Mezouar, Gaston Garbarino, David Sifré, Gunnar Weck & Frederic Datchi	High pressure reveals first-order phase transition in liquid sulfur
HILAIRET	Nadege	N. Hilairet, T. Ferrand, S. Merkel, P. Raterron, A. Schubnel, J. Guignard, C. Langrand, W. Crichton	High-pressure deformation experiments at ID06-LVP: in-situ measurements of stress partitioning within two-phases aggregates for understanding strain localisation in rocks.
JOSEPH	Boby	Boby Joseph, R. Pöttgen, A. Zerr	Pressure induced valence change and its correlation to the volume collapsing isostructural phase transition in cerium monophosphide
KABANOVA	Victoria	V. Kabanova, S. E. Canton, N. Kretzschmar, M. N. Pedersen, M. Levantino, M. Wulff	Time-resolved WAXS and XES studies of Fe ²⁺ polypyridine complexes
KIM	Yong-Jae	Yong-Jae Kim, Yun-Hee Lee, Wonhyuk Jo, Soohyong Lee, Geun Woo Lee	Ultra-fast Growth of High-Pressure Ice under Dynamic Compression
KRETZSCHMAR	Norman	Kretzschmar N., Khakhulin D., Levantino M., Pedersen M. N., Wulff M.	A von Hamos spectrometer for time-resolved X-ray emission spectroscopy at ID09
KRONBO	Camilla Hjort	Camilla Hjort Kronbo	High Pressure Studies of SrGeO ₃ Polymorphs
KUBEC	Adam	Adam Kubec, Sven Niese, Jürgen Gluch, Martin Rosenthal, Peter Gawlitza, Jozef Keckes, Andreas Leson	Efficient sub-25 nm focusing and advanced measurement methods using crossed Multilayer Laue Lenses
LACANAU	Valentin	Valentin Lacanau, Damien Bourgeois, Stéphane Desgranges, Xavier Legoff, Christine Contino-Pépin, Françoise Bonneté	Pd stabilization into aqueous micellar solutions: impact for metal extraction and catalysis

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LAURAUX	Florian	Lauraux Florian, Thomas Cornelius, Stephane Labat, Eugene Rabkin, Guillaume Beutier, Marc Verdier, Olivier Thomas	Mechanical properties of single Au nano-crystals studied by in situ nanoindentation tests in combination with coherent Bragg diffraction imaging (CBDI)
LEE	Yun Hee	Y.-j. Kim, Y.-H. Lee, W. Jo, S. Lee, G.W. Lee	Ultra-fast Growth of High-Pressure Ice under Dynamic Compression
LEPORE	Giovanni Orazio	Lepore G.O., Schingaro E., Mesto E., Lacalamita M., Iannicelli Zubiani E., Cristiani C., Gallo Stampino P., Dotelli G., Giuli G.	XAS investigation of La in montmorillonites
LI	Peng	Peng Li, Marc Allain, Virginie Chamard	Characterising the illumination function for Bragg ptychography microscopy
LOMACHENKO	Kirill	Kirill A. Lomachenko, Elisa Borfecchia, Gloria Berlier, Chiara Negri, Carlo Lamberti, Hanne Falsig, Pablo Beato, Silvia Bordiga	Revealing Cu-speciation in the Cu-CHA catalyst under SCR conditions by operando X-ray Absorption and Emission Spectroscopies
MANNIX	Oonagh	O. Mannix, S. Prévost, T. Narayanan	Colloid-polysaccharide complexation studied by SAXS
MARCAL	Lucas	L. A. B. Marçal, M.-I. Richard, L. Persichetti, A. Sgarlata, T. Schulli, A. Malachias	Effects of large-miscut Si(001) substrates on strain and interdiffusion of Ge islands: a synchrotron x-ray diffraction study
MERKEL	Sébastien	S. Merkel, C. Langrand ¹ , V. Svitlyk, G. Garbarino, A. Rosa, N. Hilairet	Investigations of high pressure transformation microstructures using multigrain crystallography
MIKOLASEK	Mirko	M. Mikolasek, G. Félix, H. Peng, H. J. Shepherd, W. Nicolazzi, F. Terki, J. Larionova, J. Long, Y. Guari, A. Chumakov, L. Salmon, G. Molnár and A. Bousseksou	Size and spin-state dependences of the lattice dynamics in switchable molecular nanoparticles through Nuclear Inelastic Scattering
MITCHELL	Edward	Business Development Office	Commercial services at the ESRF

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MOREIRA	Joaquim Agostinho	R. Vilarinho, M. Weber, M. Guennou, A. Almeida, J. Kreisel, P. Bouvier, J. Agostinho Moreira	Interplay between distortions and compressibilities of RMnO ₃ and RFeO ₃ under high-pressure
MOURY	Romain	R. Moury, A. Remhof, Z. Lodziana, L. Duchène, E. Roedern, A. Gigante and H. Hagemann	High pressure phase transitions for Na ₂ B ₁₂ H ₁₂ a solid electrolyte material
MÜTER	Dirk	D. Müter, L. Ludescher, R. Morak, N. Hüsing, G. Reichenauer, O. Paris	Nanotomography of Hierarchically Organized Porous Silica Monoliths
OLBINADO	Margie	M. P. Olbinado, X. Just, J.-L. Gelet, M. Scheel, P. Vagovic, T. Sato, R. Graceffa, P. Pradel, T. De Resseguier, A. Pelka, J. Grenzer, M. E. Rutherford, D. J. Chapman, D. E. Eakins, and A. Rack	Ultra high-speed X-ray phase contrast imaging at ID19
PANDOLFI	Silvia	S. Pandolfi, C. Renero-Lecuna, Y. Le Godec, M. Lazzeri, B. Baptiste, N. Menguy, C. Gervais, K. Spektor, W. A. Crichton and O. O. Kurakevych	in-situ High-Pressure High-Temperature synthesis of new Si polytype(s) for Advanced functional materials
PEDERSEN	Anders Filsøe	A. F. Pedersen, H. Simons, C. Detlefs, H. F. Poulsen.	Fractional Fourier transform for X-ray wavefront propagation.
PELLICIOLI	Paolo	P. Pellicoli, S. Bartsch, M. Donzelli, R. Hugtenburg, F. Estève et E. Bräuer-Krisch	Technical developments towards a dosimetry protocol and a treatment plan for microbeam radiation therapy at ID17
PENTTILA	Paavo	Paavo A. Penttilä, Ralf Schweins	Comprehensive analysis of small-angle scattering data from wood

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PIDCHENKO	Ivan	Ivan Pidchenko, Kristina O. Kvashnina, Tadahiro Yokosawa, Nicolas Finck, Sebastian Bahl, Dieter Schild, Robert Polly, Elke Bohnert, André Rossberg, Jörg Göttlicher, Kathy Dardenne, Jörg Rothe, Thorsten Schäfer, Horst Geckeis, Tonya Vitova	Uranium Redox Transformations after U(VI) Coprecipitation with Magnetite Nanoparticles
POLISHCHUK	Iryna	Maria Koifman Khristosov ^{1, 2} , Leonid Bloch, Iryna Polishchuk, Manfred Burghammer, Yaron Kauffmann, Alex Katsman and Boaz Pokroy	Single Crystal Nanoporous and Curved Gold
POLO	Carla	Carla C. Polo, Florian Meneau, Federico Zontone, Yuriy Chushkin	CXDI experiment reveals 3D nanometric structural changes in sugarcane bagasse lignocellulosic matrix induced by hydrothermal pretreatment
PONTONI	Diego	Marie Capron, Justine Gonon, Marie Marchesi, Bruno Solé Cruz, Peter van der Linden, Pierre Lloria, Alain Panzarella, Yuri Gerelli, Diego Pontoni	PSCM Support Labs for Users, Partners and Staff
PRANGE	Thierry	T. Prangé, E. Girard, P. Carpentier, S. Sacquin-Mora, B. Vallone, N. Colloc'h	Determinants of neuroglobin plasticity highlighted by high pressure crystallography and crystallography under moderate gas pressure
RACK	Alexander Oliver	A. Rack, E. Boller, M. Renier, V. Fernandez, M. Olbinado, J.-P. Valade, P. Tafforeau	Beamline ID19: a versatile station for synchrotron-based full-field hard x-ray microimaging
RENVERSADE	Loic	L. Renversade, O. Robach, O. Ulrich, J.B. Marijon, O. Castelnau, S. Tardif, F. Rieutord, C. Kirchlechner and J.S. Micha	3D Laue Micro-diffraction characterization of local microstructure and strain with submicron resolution

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REYES HERRERA	Juan	Juan Reyes Herrera, Hiram Castillo-Michel, Cecilia Vallés Aragón	Characterization of titanium oxide nanoparticles in sludge from wastewater treatment plants from Mexico
RITZER	Maurizio	Maurizio Ritzer, Philipp Schöppe, Sven Schönherr, Maximilian Zapf, Andreas Johannes, Sergio Giraldo, Galina Gurieva, Gema Martínez-Criado, Susan Schorr, Edgardo Saucedo, Carsten Ronning, and Claudia S. Schnohr	Spatially resolved composition and functionality of thin film solar cells
ROSA	Angelika	A.D. Rosa*, G. Garbarino, R. Briggs, G. Morard, T. Irifune O. Mathon and S. Pascarelli	Effect of the fcc-hcp martensitic transition on the compression behavior of solid krypton up to 140 GPa.
ROSENTHAL	Anja	A. Rosenthal and W. A. Crichton	Refined determination of phase transformations of hydrous subducted oceanic crust up to the Earth's transition zone by in situ x-ray diffraction measurements
ROSHCHIN	Boris	V.E. Asadchikov, M.V. Blanco, V. Honkimäki, A.D. Nuzhdin, B.S. Roshchin, A.M. Tikhonov, Yu.O. Volkov	X-ray studies of thermotropic phase transitions in phospholipid multilayers at the surface of silica hydrosol
ROSIGKEIT	Jan	Jan Rosigkeit, Peter Staron, Florian Pyczak, Martin Müller	In situ experiment for selective laser melting
SADAT	Tarik	Tarik Sadat, P. Godard, P.O. Renault, D. Faurie, D. Tingaud, G. Dirras, G. Geandier, F. Mompiau, M. Ota, K. Ameyama	Ti designed by spark plasma sintering: study of in situ cyclic tests under synchrotron X-Ray diffraction.
SANTONI	Gianluca	Santoni G. , Zander U. , Mueller-Dieckman C. , Leonard G. , Popov A.	ccCluster: hierarchical cluster analysis for protein crystallography
SCELTA	Demetrio	D. Scelta, K. Dziubek, M. Ende, R. Bini, M. Mezouar, G. Garbarino, R. Miletich	Crystalline polymeric carbon dioxide stable at megabar pressures

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SCHIMPF	Christian	Christian Schimpf, Anja Weidner, Stephanie Ackermann, Stefan Martin, Marcus R. Schwarz, Christian Lathe, Carl Wolf, Sebastian Henkel, David Rafaja, Horst Biermann	Quasi-hydrostatic high-pressure experiments on metastable austenitic TRIP steel
SEMERARO	Enrico Federico	Semeraro E. F., Jean B., Paineau E.-N., Hengl N., Michot L. and Pignon F.	Development of controlled oriented nano-structured composites by ultrafiltration and frontal photopolymerization
SHARPNACK	Lewis	L. Sharpnack, T. Zinn and T. Narayanan	Dynamics of Janus colloids in phase separating solvent mixtures
SNIGUIREV	Irina	I. Snigireva, N. Dubrovinskaia, L. Dubrovinsky, M. Hanfland, P. Ershov, A. Snigirev	X-ray microscopy of nanocrystalline diamond
SNIGUIREV	Anatoly	I. Panormov, A. Sinitcin, D. Zverev, P. A. Barannikov, Ershov, I. Lyatun, F. Lushnikov, A. Narikovich, A. Snigirev	Mini-transfocator for X-ray microscopy applications
SOLIMAN	Ahmed Yasser Shaban	Yasser S. Soliman, W. B. Beshir, Mahmoud H Abdelgawa, Elke Bräuer-Krisch, A.A. Abdel-Fattah	Pergascript Orange-based Polymeric Solution as a Dosimeter for Radiotherapy Treatment Planning
SPIEKERMANN	Georg	G. Spiekermann, M. Harder, P. Zalden, C. Sahle, K. Gilmore, M. Wilke, N. Biedermann, C. Weis, W. Morgenroth, E. Kulik, N. Nishiyama, S. Petitgirard, H. Yavas and C. Sternemann	Kb'' X-ray emission spectroscopy for the structure of amorphous compounds at high pressure: The case of amorphous GeO ₂ up to 100 GPa
TAO	Ye	Ye Tao	Proposed Structural Dynamics Beamline at next generation 6GeV synchrotron HEPS in Beijing

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TEWS	Ivo	Matthew Rodrigues, William Anderson, Rachel Bolton, Guillaume Gotthard, David von Stetten, Yang Zhang, Steve Ealick, Antoine Royant, Pierre Aller, James Foadi, Robin L. Owen, Gwyndaf Evans, Ivo Tews	Using UV-Vis Spectroscopy to Monitor Specific Radiation Damage and Solvent Radiolysis in Protein Crystals
TEWS	Ivo	Christian Orr, Xiaojie Yu, Claude Chan, Osman Dadas, Steven Booth, Lekh Dahal, Christine Penfold, Lyn O'Brien, Ian Mockridge, Ruth French, Patrick Duriez, Leon Douglas, Arwen Pearson, Mark Cragg, Ivo Tews, Martin Glennie, Ann White	Complex interplay between epitope specificity and isotype dictates the biological activity of anti-human CD40 antibodies
TODT	Juraj	J. Todt, R. Daniel, C. Mitterer, A. Kubec, S. Niese, M. Burghammer, M. Rosenthal, J. Keckes	Cross-Sectional Scanning Nano-XRD at ID13
TORRELLES ALBAREDA	Javier	C. Hernández, J. Santiso, A. Quesada, X. Torrelles	Catalytic surface oxides on switchable ferroelectric films
TOULEMONDE	Pierre	P. Toulemonde, M. Raba, P. Rodière, V. Svitlyk, V. Dmitriev, D. Chernyshov, M. Mezouar, B. Lebert, S. Klotz, V. Balédent, J.-P. Rueff, Th.Hansen	Pressure – Temperature phase diagram of superconducting FeSe single crystals studied by complementary probes
TULLY	Mark	M. Tully	BioSAXS at BM29
VIGANO	Nicola	Nicola Viganò, Wolfgang Ludwig	Towards time-lapse observation of 3D orientation fields in poly-crystalline materials
VILLANOVA	Julie	J. Villanova, G. Martinez-Criado, R. Tucoulou, D. Salomon, J-P. Suuronen, V. Tardillo-Suarez, R. Kumar, S. Labouré	ID16B: X-ray nano-analysis
VLASOVA	Mariia	M. Vlasova, D.A. Ivanov, M.Burghammer, M.Rosenthal	Combination of Fast Chip Calorimetry with Millisecond X-ray Diffraction at ID13: PEEK double melting phenomenon

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WASMER	Kilian	K. Wasmer, T. Quang Le, B. Meylan, F. Vakili-Farahani, C. Leinenbach, M.P. Olbinado, A. Rack, S.A. Shevchik	AM/LW process monitoring combining high-speed X-ray imaging, acoustic & optical sensors and artificial intelligence
YILDIRIM	Can	Can Yildirim, Nikolas Mavrikakis, Melanie Gauvin, Phil Cook ¹ , Mustafacan Kutsal, Ashley Bucsek, Henning F. Poulsen, Wahib Saikaly, Roger Hubert, and Carsten Detlefs	Dark Field X-ray Microscopy Study of Heat Treatment of Fe-Si and Fe-Si-Sn Alloys
ZATTERIN	Edoardo	E. Zatterin, M. Hadjimichael, S. J. Leake and P. Zubko	Domain switching in a ferroelectric thin film probed by X-ray nanodiffraction
ZHANG	Yubin	Yubin Zhang, Wolfgang Ludwig, Dorte Juul Jensen	New possibilities using full field high-resolution 3D synchrotron X-rays methods for in-situ recrystallization studies
ZHANG	Qiuyuan	Qiuyuan Zhang, M. Polikarpov, N. Klimova, H. B. Larsen, R. Mathiesen, H. Emerich, I. Snigireva, A. Snigirev.	Glitch spectroscopy of X-ray compound refractive lenses
ZHOU	Tao	Tao Zhou, Jan Hilhorst, Carsten Richter, Steven Leake, Marie-Ingrid Richard, Peter Boesecke, Hamid Djazouli, Tobias Schulli	The new Full Field Diffraction X-ray Microscope on ID01
ZIBERNA	Luca	Zibera L., Cerantola V., Milani S., Melai C., Faccincani L., Ismailova L., Chumakov, A., Bulanova G., Smith C., Frost D.	Synchrotron Mössbauer spectroscopy applied to mantle xenoliths and inclusions in diamonds from the Murowa kimberlite, Zimbabwe