

C : Technique/Methodology/Instrument			
	Gather Town	Abstract No.	Title
Area_A1	C001	A2022-0200	Development of Scanning Transmission X-ray Microscopy at Taiwan
	C002	A2022-0197	Capabilities of a momentum microscope at the TPS27A2
	C003	A2022-0194	Ptychographic X-ray tomography study of the PES porous polymeric
	C004 A	A2022-0184	Multimodal Imaging of 3D Printed Battery Electrodes with Synchrotron X-
	C005 A	A2022-0183	TARUMA: In-situ Multi-Technique Nanoprobe at Sirius/LNL CARNAUBA
	C006		
	C007		
	C008	A2022-0176	Design of the In Situ Nanoprobe Beamline for the Advanced Photon
	C009	A2022-0172	Construction of Low Humidity Biosafety Level-2 Laboratory for Crvo-
	C010 A	A2022-0170	Challenges in reducing the dynamic range of diffractograms in color X-ray
	C011	A2022-0169	Hard X-Ray Imaging Capabilities at BAMLine (BESSY II)
	C012	A2022-0167	Analytical X-ray nanoscopy of natural mineral-organic associations with
	C013	A2022-0162	LorisO - Predictive Maintenance and Equipment Management
	C014	A2022-0154	Microbeam X-ray diffraction combined with X-ray zooming microscope
	C015 A	A2022-0152	Correlative in situ microscopy and spectroscopy between synchrotron-
	C016	A2022-0151	The design of transmission x-ray microscopy at Taiwan Photon Source
	C017	A2022-0148	A Nanoprobe beamline at the Australian Synchrotron
	C018	A2022-0147	Turbo charging an X-ray fluorescence microscopy beamline
	C019	A2022-0144	Commissioning of Crvo Soft X-ray Tomography Beamline at Taiwan Photon
	C021	A2022-0139	The Thermal Deformation Analysis for Zone Plate Based Microscope at
	C022	A2022-0127	Dual-energy data from single-energy measurements - The spectral
	C023	A2022-0124	Characterization of X-ray light sheet microscope and its application
	C024	A2022-0123	Evaluation of Water Cooling Scheme for Vertical Collimating Mirror at
	C025	A2022-0120	New Design of a Non-atmospheric Transport System for compact STXM at
	C026	A2022-0119	High-energy near-field Ptychographic X-ray Computed Tomography: an
	C027	A2022-0117	High-Resolution Multi-Contrast Tomography and its applications with an
	C028 A	A2022-0116	Support-Free, Single-Shot X-Ray Imaging at a Free Electron Laser
	C029 A	A2022-0115	Ptychographically-assisted X-ray fluorescence nanotomography for
	C030	A2022-0111	Distribution and Speciation of Na and Mg in a Yellow Jacket Wasp Wing
	C : Technique/Methodology/Instrument		
	Gather Town	Abstract No.	Title
Area_A2	C031	A2022-0102	Solving X-ray imaging inverse problems with automatic differentiation
	C032	A2022-0088	Development of multiscale X-Ray tomography at Spring-8 BL47XU
	C033		
	C034	A2022-0084	X-ray zooming microscopy with two Fresnel zone plates
	C035	A2022-0081	Development of Soft X-ray Spectro-Microscope with Wolter mirror
	C036	A2022-0080	X-ray Differential Phase-Contrast Imaging Using Schlieren knife-edge and
	C037	A2022-0075	Complete Spherical Harmonic Basis SAXS Tensor Tomography
	C038	A2022-0073	The design of the imaging endstation at NanoMAX
	C039	A2022-0072	(current) capabilities of the imaging endstation at the NanoMAX beamline
	C040	A2022-0070	X-Ray Microscopy Developments at Axilon
	C041	A2022-0068	Impact of diffusion on the ionisation channel of a diamond XBPM detector
	C042	A2022-0066	Study of Hard X-ray Ptychography at Taiwan Photon Source
	C043		
	C044 A	A2022-0060	Progress in Soft X-ray Nanolithography by Advanced Tools for Invenive
	C045 A	A2022-0057	Geometry Optimization for X-ray Propagation-based Phase Contrast
	C046 A	A2022-0056	Fiber Interferometry for Vibration Analysis in X-ray Microscopes
	C047	A2022-0055	SAKAS (SAGA light source data KArte System) and its application for micro
	C048	A2022-0053	Automatic Scanning Transmission X-ray Microscopy Imaging
	C049	A2022-0049	Coupling SEC and IEF to SXRF for metallation analysis of SOD1 enzyme
	C050	A2022-0047	High-resolution X-ray microtomography at 200 keV region
	C051	A2022-0046	Development of a laboratory-based X-ray phase tomographic microscope
	C052 A	A2022-0042	Quantifying the x-ray dark-field signal in single-grid imaging
	C053 A	A2022-0041	Development of Tender X-ray Spectroscopic Ptychography Measurement
	C054	A2022-0032	Laboratory Crvo Soft X-ray Microscope for 3D Cellular Ultrastructure at the
	C055 A	A2022-0031	Coherent Correlation Imaging: Resolving fluctuating states of matter
	C056 A	A2022-0028	Semi-automatic Multimodal and Multi-length Scale Scanning X-ray
	C057	A2022-0026	Lomb-Scarele Periodogram for the Detection of Arbitrary Frequencies in
	C058	A2022-0020	EIGER2 Upgrade for Advanced X-Ray Diffraction Experiments
	C059 A	A2022-0010	CDI 3D sample reconstruction beyond the Projection Approximation
	D : Scientific Application		
	Gather Town	Abstract No.	Title
Area_A3	D001	A2022-0196	Investigating the disruption of metal homeostasis in the human retina
	D002	A2022-0189	Correlated, Sequential Absorption and XRF Tomography Applied to
	D003	A2022-0180	Mogno, The Nano And Microtomography Beamline At Sirius, The Brazilian
	D004 A	A2022-0175	Investigation cellular uptake of nanoparticles using laboratory cryo soft X-
	D005 A	A2022-0160	Quantitative imaging of porous media using high-resolution phase-
	D006 A	A2022-0149	Analysis of regional differences of airspace diameters in rat lungs
	D007	A2022-0142	Scanning transmission X-ray microscopy studies of electrochemical
	D008	A2022-0141	X-Ray Fluorescence Spectroscopy Imaging Applications in Agricultural
	D009	A2022-0137	Tomographic study of the morphological changes in mitochondria and
	D010		
	D011	A2022-0132	Autofinding egg parasitoids in moth eggs by using image segmentation in
	D012	A2022-0122	Effect of compatibilizers to the morphology in polymer alloy of phenoxv
	D013 A	A2022-0109	Transformation of Morphological and Chemical Properties by Coating
	D014	A2022-0099	Coherent X-ray Diffraction Imaging of a Self-Assembled Gold Mesocrystal
	D015 A	A2022-0097	High-Resolution X-ray Imaging of Whole-Body Gene Expression in
	D016 A	A2022-0095	Nanoscale synchrotron chemical characterization of Alzheimer's amyloid
	D017 A	A2022-0079	X-Ray Imaging of Viral Respiratory Droplet Deposition
	D018	A2022-0077	The evolution of interfacial electronic structure in a high-
	D019	A2022-0063	Photon-induced modification of epitaxial MgO(100) films
	D020	A2022-0054	Pollux Calculator
	D021	A2022-0052	In-operando SPEM studies of organic field-effect transistors
	D022		
	D023	A2022-0038	Soft X-ray tomography reveals that intracellular anti-NTSR1 antibody drug,
	D024	A2022-0030	X-ray fluorescence imaging of uranium in human dopaminergic cells
	D025 A	A2022-0029	Ptychography-XAFS Imaging of Li-excess Rock-salt Type Vanadium Oxide
	D026	A2022-0025	Talbot and Zernike Phase-Contrast Tomographic X-ray Microscopy of
	D027 A		
	D028	A2022-0019	Multi-scale elemental and structural characterization of bone fracture
	D029	A2022-0006	Laboratory X-ray Microscopy - A technique for Advanced Fracture
	D030	A2022-0003	Chemical Mapping of Potassium-containing Particles from Biomass Burner
D031	A2022-0014	Nano-chemical mapping of cobalt nanoparticles on the graphene-related	
A : Source			
	Gather Town	Abstract No.	Title
Area_A4	A001	A2022-0199	APS 2-ID Microprobes: Post-canting Status and APS-Upgrade Plans
	A002	A2022-0008	Enabling Synchrotron type Measurements in the Home-Laboratory
	A003	A2022-0007	Increasing resolution of X-ray imaging at high acceleration voltages
B : Optics for X-ray Imaging			
	Gather Town	Abstract No.	Title
Area_A4	B001	A2022-0201	Polished Diamond X-Ray Lens
	B002	A2022-0198	Investigating the electronic structure of van der Waals vertical
	B003	A2022-0193	Thickness driven magnetic domain evolution of Gd/Co double wedges on
	B004	A2022-0192	Confocal Imaging Study Based Diffraction-limited Storage Ring
	B005	A2022-0189	TPS 23A X-ray Nanoprobe (XNP)
	B006	A2022-0182	X-ray Optics for High Photon Energy Applications Fabricated by X-ray
	B007 A	A2022-0161	XFEL sub-10 nm focusing system based on X-ray imaging mirrors
	B008	A2022-0159	Corrosion Mechanisms of Iron in Molten Salt Revealed by Ptychography
	B009 A	A2022-0153	Using X-ray nanoprobe to mapping the valence state of Eu-doped BaAl2O4
	B010	A2022-0110	Modeling and Simulation of Achromatic X-ray Lenses
	B011 A	A2022-0107	Propagation-based phase-contrast imaging with full-field X-ray microscope
	B012	A2022-0090	Multispectral imaging in the extreme ultraviolet by spectral tuning of high
	B013 A	A2022-0058	High-resolution CsPbBr3 Nanowire Scintillator for X-ray tomography
	B014	A2022-0048	High-Energy X-Ray Nanotomography at Spring-8
	B015	A2022-0036	A fully automatic alignment method based on fiducial markers for X-ray
	B016	A2022-0035	Hard X-ray Schlieren Microscopy and its Application to Computer
	B017 A	A2022-0015	Deep-learning-based ring artifact correction for tomographic
	B018	A2022-0013	Practical Design of an Inverse-Phase Composite Zone Plate for Improved
E : Non-SR Microscopy/Emerging XRM			
	Gather Town	Abstract No.	Title
Area_A4	E001	A2022-0094	DUAL PHASE GRATING INTERFEROMETRY FOR THE CHARACTERIZATION OF
	E002 A	A2022-0082	Investigation of encapsulated graphene using extreme ultraviolet