國家同步輻射研究中心 光束線使用時程 (TLS Schedule for NSRRC Beamline)

期別：2019-3
期間：2019/09/01 ~ 12/31
總時段數: 237 shifts

光束線：	TLS 16A1 BM - Tender X-ray Absorption, Diffraction	發言人：	詹丁山	經理：	羅子嘉

類別：0：Proposal Evaluation Committee 1：Contract Beamline 2：Spokesperson 3：Beamline Maintenance & Study 6：Industrial Application 7：Directorate Discretion 8：Training Course 10：Beamline Commission 11：National Project

時段數：時間單位，以用戶使用8小時為1時段計算

計畫領域： 01：Atomic and Molecular 02：Surface, Interface and Thin Films 03：Condensed Matter Physics 04：Materials Sciences 05：Chemistry 06：Soft Matter 07：Protein Crystallography 08：Environmental and Earth Science 09：Methodology and Instrumentation 10：Nanofabrication 11：Applied and Industrial Research 12：Others

TLS 16A1	計畫編號	計畫主持人	單位	類別	起始日期	結束日期	時段數	計畫領域	計畫名稱
TLS 16A1	2019-1-001-3	詹丁山	NSRRC	2	2019/10/01 09:00	2019/10/02 09:00	3	5	Application and electronic structure of high-porosity carbon supercapacitor derived from biomass waste protein foam
TLS 16A1	2018-1-095-6	林麗瓊	國立台灣大學凝態科學研究中心	0	2019/10/02 09:00	2019/10/04 09:00	6	4	In-situ X-ray Spectroscopic Studies on 2D-related Nanomaterials and Their Hybrids in Green Energy Applications
TLS 16A1	2019-1-384-3	吳恆良	國立台灣大學凝態科學研究中心	0	2019/10/04 09:00	2019/10/06 09:00	6	2	The Effect of Cosolvent and Carbon Materials on Lithium-Sulfur Batteries and Advanced Li-ion Batteries
TLS 16A1	2019-3-158-1	賴志煌	國立清華大學材料科學工程學系	0	2019/10/07 09:00	2019/10/09 09:00	6	2	Systematic Understanding of Material and Interface Properties for CIGS and ALD ZnOS buffer layers in Light Conversion Using Synchrotron Radiation
TLS 16A1	2019-2-145-2	羅光耀	國立成功大學物理系	0	2019/10/09 09:00	2019/10/11 09:00	6	4	Evolution of two dimensional Nb:MoS2 layers under pulsed laser annealing: Investigating the variation of photoelectric properties
TLS 16A1	2019-1-001-3	詹丁山	NSRRC	2	2019/10/11 09:00	2019/10/12 09:00	3	5	Application and electronic structure of high-porosity carbon supercapacitor derived from biomass waste protein foam
TLS 16A1	2019-1-226-3	莊程豪	淡江大學物理系	0	2019/10/12 09:00	2019/10/14 09:00	6	4	In-situ X-ray observation for the activated site of metal oxide electrocatalysts
TLS 16A1	2019-3-155-1	鍾博文	中央研究院化學所	0	2019/10/15 09:00	2019/10/16 09:00	3	5	Understanding Rational Design of Surface Modification on Solid Catalysts for Valorization of Lignocellulosic Biomass Waste
TLS 16A1	2019-3-216-1	席行正	國立台灣大學環境工程學研究所	0	2019/10/16 09:00	2019/10/18 09:00	6	4	Surface Chemistry Analysis by XANES/EXAFS Spectroscopy for Sulfurized Magnetic Activated Carbon Utilized in Hg(II) Capture

TLS 16A1	計畫編號	計畫主持人	單位	類別	起始日期	結束日期	時段數	計畫領域	計畫名稱
TLS 16A1	2019-1-182-3	彭維鋒	淡江大學物理系	0	2019/10/18 09:00	2019/10/20 09:00	6	3	Electronic/Atomic Structures, Orbital and Magnetic Properties of the Highly Correlated Electron Systems.
TLS 16A1	2019-3-095-1	Hockmann, Kerstin	University of Bayreuth, Faculty of Biology, Chemistry & Earth Sciences	0	2019/10/21 09:00	2019/10/23 09:00	6	8	An XAS K-edge investigation of Sb, As, Fe and S speciation during microbial sulfidization of contaminated mining soil
TLS 16A1	2019-3-062-1	光源產業應用小組	NSRRC	6	2019/10/23 09:00	2019/10/24 09:00	3	11	Synchrotron study of semiconductor thin-film materials (VI-2)
TLS 16A1	2019-1-216-3	王丞浩	國立台灣科技大學材料科學與工程學系(所)	0	2019/10/24 09:00	2019/10/26 09:00	6	1	NCKU-National Cheng Kung Headquarters of University Advancement - Hierarchical Green-Energy Materials Research Center-2
TLS 16A1	2019-1-163-3	曾院介	國立交通大學材料科學與工程系所	0	2019/10/26 09:00	2019/10/28 09:00	6	2	Reliability Study of Negative Capacitance Field-effect Transistors by In-situ X-Ray Techniques
TLS 16A1	2019-1-036-3	李明道	NSRRC	2	2019/10/29 09:00	2019/10/30 09:00	3	6	Structure study on bio-membranes by synchrotron X-ray scattering/diffraction techniques IV
TLS 16A1	2019-3-186-1	Nam, Kyung Wan	Dongguk University, College of Engineering, Department of Energy Materials Engineering	0	2019/10/30 09:00	2019/10/31 09:00	3	4	Local structure investigation of S, P and Cl-Solid-Electrolytes Structure and Interface using Tender X-ray absorption spectroscopy
TLS 16A1	2019-1-128-3	林彥谷	NSRRC	0	2019/10/31 09:00	2019/11/01 09:00	3	5	Probing the interfacial properties of semiconductor hybrids for green energy applications
TLS 16A1	2018-3-150-4	王復民	國立台灣科技大學應用科技研究所	0	2019/11/01 09:00	2019/11/03 09:00	6	4	In situ/ in operando observations of Ni-rich cathode material of lithium ion battery
TLS 16A1	2019-1-001-3	詹丁山	NSRRC	2	2019/11/04 09:00	2019/11/05 09:00	3	5	Application and electronic structure of high-porosity carbon supercapacitor derived from biomass waste protein foam
TLS 16A1	2019-1-390-3	陳貴賢	中央研究院原分所	0	2019/11/05 09:00	2019/11/07 09:00	6	4	Understanding Highly Efficient Materials for Conversion and Conservation Green Energy Technologies
TLS 16A1	2019-3-099-1	林錕松	元智大學化學工程與材料科學學系	0	2019/11/07 09:00	2019/11/09 09:00	6	8	Chemical Conversion of H2/CO2 into Formic Acid and Methanol over Cu/CuCr2O4 Catalyst
TLS 16A1	2019-1-381-3	許益瑞	國立台北科技大學分子科學與工程系	0	2019/11/09 09:00	2019/11/11 09:00	6	5	In-situ study on the synthesis of photo luminescence compound by metal catalysts
TLS 16A1	2018-3-090-4	劉如熹	國立台灣大學化學系	0	2019/11/12 09:00	2019/11/13 09:00	3	5	Systematic Understanding of Material Properties for Their Applications in Energy Storage and Light Conversion Using Synchrotron Radiation

TLS 16A1	計畫編號	計畫主持人	單位	類別	起始日期	結束日期	時段數	計畫領域	計畫名稱
TLS 16A1	2019-3-215-1	馬君	中國科學院青島生物能源與過程研究所	0	2019/11/13 09:00	2019/11/15 09:00	6	3	Investigation on Local Structural Changes of Sulfide Solid Electrolyte in All-Solid-State Lithium Batteries
TLS 16A1	2019-1-118-3	Hu, Zhiwei	Max-Planck-Gesellschaft, Max Planck Institute for Chemical Physics of Solids (MPI, CPfS)	0	2019/11/15 09:00	2019/11/18 09:00	9	3	The combined soft and hard XAS study on materials with unusual properties
TLS 16A1	2019-3-223-1	張林娟	中國科學院上海應用物理研究所	0	2019/11/18 09:00	2019/11/19 09:00	3	4	Study of microstructure evolution of Ce-doped Pyrochlore
TLS 16A1	2019-1-001-3	詹丁山	NSRRC	2	2019/11/19 09:00	2019/11/20 09:00	3	5	Application and electronic structure of high-porosity carbon supercapacitor derived from biomass waste protein foam
TLS 16A1	2019-3-129-1	Li, Xiangdong	香港理工大學土木及環境工程學系	0	2019/11/20 09:00	2019/11/22 09:00	6	8	Speciation of arsenic and chromium in urban fine particulate matter for refined health risk-oriented source apportionment of inhalable trace metals
TLS 16A1	2019-3-134-1	崔金立	廣州大學環境科學與工程學院	0	2019/11/22 09:00	2019/11/25 09:00	9	8	Arsenic mobilization and transformation in the Pearl River Delta: Effect of organic substance
TLS 16A1	2019-3-203-1	景傳勇	中國科學院生態環境研究中心	0	2019/11/26 09:00	2019/11/28 09:00	6	8	XAFS study to decouple antimony-sulfur-iron transformations under anaerobic environment.
TLS 16A1	2019-1-001-3	詹丁山	NSRRC	2	2019/11/28 09:00	2019/11/29 09:00	3	5	Application and electronic structure of high-porosity carbon supercapacitor derived from biomass waste protein foam
TLS 16A1	2019-2-136-2	莊程豪	淡江大學物理系	0	2019/11/29 09:00	2019/12/01 09:00	6	4	In search of the link between activity and stability of RuOx oxygen evolution reaction catalysts using the Ru L- and K-edges
TLS 16A1	2019-1-235-3	劉儷佳	蘇州大學功能納米與軟物質研究院	0	2019/12/02 09:00	2019/12/04 09:00	6	4	Electronic structure study of reduced TiO2 for Catalysis
TLS 16A1	2019-1-238-3	葉國楨	中央研究院農業生物科技研究中心	0	2019/12/04 09:00	2019/12/06 09:00	6	8	Use of synchrotron-based techniques to elucidate Indium uptake and metabolism in Arabidopsis thaliana
TLS 16A1	2019-1-001-3	詹丁山	NSRRC	2	2019/12/06 09:00	2019/12/07 09:00	3	5	Application and electronic structure of high-porosity carbon supercapacitor derived from biomass waste protein foam
TLS 16A1	2019-1-385-3	李志浩	國立清華大學工程及系統科學系	0	2019/12/07 09:00	2019/12/09 09:00	6	2	Photocatalytic CO2 Reduction and optoelectronic studies of SnS2 thin film by using In-plane GIXS and Absorption techniques
TLS 16A1	2019-3-062-1	光源產業應用小組	NSRRC	6	2019/12/10 09:00	2019/12/11 09:00	3	11	Synchrotron study of semiconductor thin-film materials (VI-2)

TLS 16A1	計畫編號	計畫主持人	單位	類別	起始日期	結束日期	時段數	計畫領域	計畫名稱
TLS 16A1	2019-3-128-1	劉敏	中南大學物理與電子學院	0	2019/12/11 09:00	2019/12/13 09:00	6	4	Enhanced Plasmonic Photocatalysis by Au/Graphene/BaTiO3 Heterostructure
TLS 16A1	2019-1-246-3	黃炳照	國立台灣科技大學化工系	0	2019/12/13 09:00	2019/12/15 09:00	6	4	Development of in Operando X-ray techniques for electrochemical energy conversion and storage materials
TLS 16A1	2019-2-001-2	譚勇文	湖南大學材料科學與工程學院	0	2019/12/16 09:00	2019/12/18 09:00	6	4	Operando X-ray absorption spectroscopic observation on single Platinum atoms decorated nanoporous transition-metal compounds water splitting electrocatalyst
TLS 16A1	2019-2-065-2	de Groot, Franciscus	Utrecht Univ., Inorganic Chemistry & Catalysis	0	2019/12/18 09:00	2019/12/20 09:00	6	4	In situ/Operando X-ray absorption (XAS) spectroscopic observation on Cu-Sn bimetallic alloy for electrocatalytic carbon dioxide reduction
TLS 16A1	2019-1-001-3	詹丁山	NSRRC	2	2019/12/20 09:00	2019/12/21 09:00	3	5	Application and electronic structure of high-porosity carbon supercapacitor derived from biomass waste protein foam
TLS 16A1	2019-1-220-3	胡正明	Univ. of California, Berkeley	0	2019/12/21 09:00	2019/12/23 09:00	6	4	Contact Engineering of MoS2 Devices Investigated by Modern X-ray Techniques
TLS 16A1	2018-1-130-6	劉志	中國科學院上海微系統與信息技術研究所	0	2019/12/24 09:00	2019/12/26 09:00	6	4	In-operando investigation on the enhancing mechanism of sulfur -TiOx/TiC composite electrodes by X-ray absorption spectroscopy
TLS 16A1	2019-1-286-3	Sun, Xueliang	University of Western Ontario, Department of Mechanical and Materials Engineering	0	2019/12/26 09:00	2019/12/28 09:00	6	4	The Ex situ and Operando XAFS study of Se-doped black phosphorus as anodes for lithium-ion batteries and sodium-ion batteries
TLS 16A1	2019-1-356-3	劉嘯嵩	中國科學院上海微系統與信息技術研究所	0	2019/12/28 09:00	2019/12/30 09:00	6	4	On the Mechanism of Mg Intercalation and Trapping in Chevrel Phase as Probed by Key Electronic States

16A1 PEC: 207 Shifts (87.3%) SPK: 24 Shifts (10.1%) IA: 6 Shifts (2.5%)