

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

期別：2019-2

期間：2019/05/07 ~ 08/31

總時段數: 216 shifts

光束線： TLS 17B1 W200 - X-ray Scattering

發言人： 林彥谷

經理： 張櫻議

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 17B1	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 17B1	2018-3-287-3	林彥谷	NSRRC	3	2019/05/07 09:00	2019/05/08 09:00	3	12	BL17B1 Beamline tuning and maintenance
TLS 17B1	2019-2-102-1	黃玉林	國立東華大學物理系	0	2019/05/08 09:00	2019/05/10 09:00	6	2	Tuning excitonic emission of ZnO via selecting epitaxial growth mode
TLS 17B1	2019-2-107-1	光源產業應用小組	NSRRC	6	2019/05/10 09:00	2019/05/12 09:00	6	11	Phase transformation and dislocation climbing in steels under biaxial deformation: combined synchrotron x-ray measurement and finite element analysis
TLS 17B1	2018-3-266-3	林彥谷	NSRRC	0	2019/05/13 09:00	2019/05/14 09:00	3	5	Probing Electrochemical/Photoelectrochemical Reactions under In-situ/Operando Condition
TLS 17B1	2019-1-408-2	徐嘉鴻	NSRRC	2	2019/05/14 09:00	2019/05/16 09:00	6	2	X-ray scattering of novel thin films materials (II)
TLS 17B1	2019-1-259-2	陳錦山	逢甲大學材料科學與工程學系	0	2019/05/16 09:00	2019/05/17 09:00	3	4	Self-forming process of extremely dilute Cu-metal oxide composite nanowires as highly reliable and conductive interconnect materials
TLS 17B1	2019-2-035-1	朱英豪	國立交通大學材料科學與工程系所	0	2019/05/17 09:00	2019/05/20 09:00	9	4	Tunable metal-insulator transition temperature of BaSnO ₃ /SrRuO ₃ solid solution
TLS 17B1	2019-1-113-2	陳智	國立交通大學材料科學與工程系所	0	2019/06/04 09:00	2019/06/06 09:00	6	4	Stress Study for Inner Mechanism Realization on Grain Growth Nano-twin Cu Thin Film and Induce Crack in RDL Thermal Cycling Test
TLS 17B1	2019-1-006-2	韋光華	國立交通大學材料科學與工程系所	0	2019/06/06 09:00	2019/06/07 09:00	3	4	High-performance flexible organic/inorganic photovoltaics based on polymer donor/non-fullerene acceptor/two-dimensional nanosheets
TLS 17B1	2019-1-307-2	柯富祥	國立交通大學奈米科技研究所	0	2019/06/07 09:00	2019/06/09 09:00	6	2	The structural properties of different impurities ratio Al-doped ZnO thin films

TLS 17B1	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 17B1	2018-1-139-5	闕郁倫	國立清華大學材料科學工程學系	0	2019/06/10 09:00	2019/06/12 09:00	6	4	Microscopic investigations on crystallographic-related physical properties of chemical vapor deposited two-dimensional materials and heterostructures by focused synchrotron radiation light source
TLS 17B1	2019-1-132-2	羅光耀	國立成功大學物理系	0	2019/06/12 09:00	2019/06/14 09:00	6	4	Dynamics of the oxidation- reduction of Zn dots inspected by reflective second harmonic generation
TLS 17B1	2018-3-065-3	楊展其	國立成功大學物理系	0	2019/06/14 09:00	2019/06/17 09:00	9	2	Ultrafast Giant Photostriction of Epitaxial Strontium Iridate Film with Superior Endurance
TLS 17B1	2018-3-287-3	林彥谷	NSRRC	3	2019/06/18 09:00	2019/06/19 09:00	3	12	BL17B1 Beamline tuning and maintenance
TLS 17B1	2019-2-107-1	光源產業應用小組	NSRRC	6	2019/06/19 09:00	2019/06/21 09:00	6	11	Phase transformation and dislocation climbing in steels under biaxial deformation: combined synchrotron x-ray measurement and finite element analysis
TLS 17B1	2018-3-287-3	林彥谷	NSRRC	3	2019/06/21 09:00	2019/06/22 09:00	3	12	BL17B1 Beamline tuning and maintenance
TLS 17B1	2019-1-377-2	李志浩	國立清華大學工程及系統科學系	0	2019/06/22 09:00	2019/06/23 09:00	3	2	Provocative Studies of doping effects of organic based thin films and unravel their electronic structure, polymorphism using synchrotron radiations
TLS 17B1	2019-1-279-2	林士剛	國立成功大學材料科學及工程學系	0	2019/06/24 09:00	2019/06/27 09:00	9	4	On the lattice stability of alloys and metals under electric current
TLS 17B1	2019-2-192-1	吳子嘉	國立中央大學化學工程與材料工程學系	0	2019/06/27 09:00	2019/06/29 09:00	6	4	Synchrotron Radiation X-Ray Analysis of Corrosion Products on Multiple layer of High-Reliability PCBs.
TLS 17B1	2019-2-035-1	朱英豪	國立交通大學材料科學與工程系所	0	2019/06/29 09:00	2019/07/01 09:00	6	4	Tunable metal-insulator transition temperature of BaSnO3/SrRuO3 solid solution
TLS 17B1	2018-3-287-3	林彥谷	NSRRC	3	2019/07/02 09:00	2019/07/03 09:00	3	12	BL17B1 Beamline tuning and maintenance
TLS 17B1	2019-1-295-2	王俊杰	NSRRC	2	2019/07/03 09:00	2019/07/05 09:00	6	4	3D Structures of Material and Biological Samples Studied using Synchrotron Techniques
TLS 17B1	2019-1-163-2	曾院介	國立交通大學材料科學與工程系所	0	2019/07/05 09:00	2019/07/07 09:00	6	2	Reliability Study of Negative Capacitance Field-effect Transistors by In-situ X-Ray Techniques
TLS 17B1	2018-3-266-3	林彥谷	NSRRC	0	2019/07/08 09:00	2019/07/09 09:00	3	5	Probing Electrochemical/Photoelectrochemical Reactions under In-situ/Operando Condition

TLS 17B1	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 17B1	2019-1-027-2	張石麟	NSRRC	0	2019/07/09 09:00	2019/07/12 09:00	9	2	X-ray diffraction for back reflection, crystallographic phase, high-resolution X-ray optics with and without time-resolved experiments (I)
TLS 17B1	2019-1-175-2	劉恒睿	國立中興大學材料系	0	2019/07/12 09:00	2019/07/15 09:00	9	4	Investigation of lattice and electronic structures of low dimensional oxide heterostructures or nanocrystals for solar harvesting applications.
TLS 17B1	2018-3-287-3	林彥谷	NSRRC	3	2019/07/16 09:00	2019/07/17 09:00	3	12	BL17B1 Beamline tuning and maintenance
TLS 17B1	2019-2-107-1	光源產業應用小組	NSRRC	6	2019/07/17 09:00	2019/07/19 09:00	6	11	Phase transformation and dislocation climbing in steels under biaxial deformation: combined synchrotron x-ray measurement and finite element analysis
TLS 17B1	2019-2-202-1	羅光耀	國立成功大學物理系	0	2019/07/19 09:00	2019/07/21 09:00	6	4	Constrained ZnO/Zn quantum dots grown on Si(111) as a seed layer and buffer layer to assist the the growth of high quality ZnO film.
TLS 17B1	2019-1-385-2	李志浩	國立清華大學工程及系統科學系	0	2019/07/22 09:00	2019/07/23 09:00	3	2	Photocatalytic CO2 Reduction and optoelectronic studies of SnS2 thin film by using In-plane GIXS and Absorption techniques
TLS 17B1	2018-1-139-5	闕郁倫	國立清華大學材料科學工程學系	0	2019/07/23 09:00	2019/07/25 09:00	6	4	Microscopic investigations on crystallographic-related physical properties of chemical vapor deposited two-dimensional materials and heterostructures by focused synchrotron radiation light source
TLS 17B1	2019-1-408-2	徐嘉鴻	NSRRC	2	2019/07/25 09:00	2019/07/27 09:00	6	2	X-ray scattering of novel thin films materials (II)
TLS 17B1	2019-1-258-2	郭瑞年	國立清華大學物理系	0	2019/07/27 09:00	2019/07/29 09:00	6	2	Investigation of the topological phase of alpha-Sn thin films
TLS 17B1	2018-3-287-3	林彥谷	NSRRC	3	2019/07/30 09:00	2019/07/31 09:00	3	12	BL17B1 Beamline tuning and maintenance
TLS 17B1	2019-1-006-2	韋光華	國立交通大學材料科學與工程系所	0	2019/07/31 09:00	2019/08/01 09:00	3	4	High-performance flexible organic/inorganic photovoltaics based on polymer donor/non-fullerene acceptor/two-dimensional nanosheets
TLS 17B1	2019-1-326-2	楊展其	國立成功大學物理系	0	2019/08/01 09:00	2019/08/04 09:00	9	2	Optical Control of Magnetism in Epitaxial CoFe2O4 Thin Films
TLS 17B1	2018-3-266-3	林彥谷	NSRRC	0	2019/08/05 09:00	2019/08/06 09:00	3	5	Probing Electrochemical/Photoelectrochemical Reactions under In-situ/Operando Condition

TLS 17B1	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 17B1	2019-2-037-1	Annapoorni, Subramanian	University of Delhi, Department of Physics and Astrophysics	0	2019/08/06 09:00	2019/08/08 09:00	6	4	Understanding the enhanced photocatalytic behavior of nanorods and dumbbell shaped Ag/Au decorated ZnO nanocomposites by investigating the structural, electronic and optical properties.
TLS 17B1	2019-2-245-1	劉維仁	NSRRC	8	2019/08/08 09:00	2019/08/10 09:00	6	12	2019 Summer Training Course
TLS 17B1	2018-3-231-3	郭瑞年	國立清華大學物理系	0	2019/08/10 09:00	2019/08/12 09:00	6	2	Structural and Strain Analysis of Thulium Iron Garnet Thin Films Grown on Garnet Substrates

17B1 PEC: 156 Shifts (72.2%)

SPK: 18 Shifts (8.3%)

M&S: 18 Shifts (8.3%)

IA: 18 Shifts (8.3%)

TC: 6 Shifts (2.8%)