

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

期別：2019-1

期間：2019/01/01 ~ 05/06

總時段數: 198 shifts

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|------|--|------|-----|-----|-----|
| 光束線： | TLS 21A1 U90 - (White Light) Chemical Dynamics (PRT 75%) | 發言人： | 李世煌 | 經理： | 林竣平 |
| 光束線： | TLS 21A2 U90 - (White Light) Photochemistry | 發言人： | 吳宇中 | 經理： | 周勝隆 |
| 光束線： | TLS 21B1 U90 - (CGM) Angle-Resolved UPS | 發言人： | 鄭澄懋 | 經理： | 黃自平 |
| 光束線： | TLS 21B2 U90 - Gas Phase | 發言人： | 李英裕 | 經理： | 黃自平 |

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 21 | 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 21A1 | 2019-1-213-1 | 李世煌 | NSRRC | 2 | 2019/02/19 09:00 | 2019/02/21 09:00 | 6 | 1 | Study of Criegee intermediates |
| TLS 21B1 | 2019-1-102-1 | 唐述中 | NSRRC | 0 | 2019/02/21 09:00 | 2019/02/24 09:00 | 9 | 2 | Investigation of the unique surface-state bands induced by the Au adsorption on Pb (111) surface |
| TLS 21B1 | 2019-1-266-1 | 鄭澄懋 | NSRRC | 3 | 2019/02/24 09:00 | 2019/02/26 17:00 | 4 | 12 | The functional commission of angle-resolved photoemission end station at BL21B1 |
| TLS 21B2 | 2019-1-153-1 | 光源產業應用小組 | NSRRC | 6 | 2019/02/26 17:00 | 2019/02/27 09:00 | 2 | 11 | Development and application of Extreme Ultraviolet Interference Lithography Technology |
| TLS 21B2 | 2019-1-255-1 | 王家蓁 | 國立中山大學化學系 | 0 | 2019/02/27 09:00 | 2019/03/04 09:00 | 15 | 1 | Probing the Oxidation and Heterogeneous Reaction of Nanoaerosols via Aerosol VUV Photoelectron Spectroscopy |
| TLS 21A1 | 2019-1-213-1 | 李世煌 | NSRRC | 2 | 2019/03/04 09:00 | 2019/03/10 09:00 | 18 | 1 | Study of Criegee intermediates |
| TLS 21B2 | 2019-1-153-1 | 光源產業應用小組 | NSRRC | 6 | 2019/03/12 09:00 | 2019/03/12 17:00 | 1 | 11 | Development and application of Extreme Ultraviolet Interference Lithography Technology |
| TLS 21B1 | 2019-1-266-1 | 鄭澄懋 | NSRRC | 3 | 2019/03/12 17:00 | 2019/03/13 09:00 | 2 | 12 | The functional commission of angle-resolved photoemission end station at BL21B1 |
| TLS 21B1 | 2019-1-344-1 | 林秉慧 | NSRRC | 0 | 2019/03/13 09:00 | 2019/03/16 09:00 | 9 | 3 | The study of emergence of the nematicity in band structure of Fe-based superconductors via static and dynamic angle-resolved photoemission spectroscopy (ARPES). |
| TLS 21B1 | 2019-1-072-1 | 張嘉升 | 中央研究院物理所 | 0 | 2019/03/16 09:00 | 2019/03/18 09:00 | 6 | 4 | Nonsymmorphic-symmetry protected Dirac nodal loops in hourglass semimetal Nb ₃ SiTe ₆ |

| TLS 21 | 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 21A1 | 2018-3-158-2 | 曾建銘 | 國立交通大學應用化學系 | 0 | 2019/03/18 09:00 | 2019/03/24 09:00 | 18 | 1 | Time-selected photofragment translational spectroscopy of heterocyclic molecules: pyrazole and imidazole |
| TLS 21B1 | 2019-1-058-1 | 劉洋 | 浙江大學理學部凝聚態物理研究所 | 0 | 2019/03/26 09:00 | 2019/03/30 09:00 | 12 | 3 | Probing the heavy weyl fermion in YbPtBi and related compound |
| TLS 21B1 | 2019-1-266-1 | 鄭澄懋 | NSRRC | 3 | 2019/03/30 09:00 | 2019/04/01 09:00 | 6 | 12 | The functional commission of angle-resolved photoemission end station at BL21B1 |
| TLS 21B1 | 2019-1-344-1 | 林秉慧 | NSRRC | 0 | 2019/04/01 09:00 | 2019/04/02 09:00 | 3 | 3 | The study of emergence of the nematicity in band structure of Fe-based superconductors via static and dynamic angle-resolved photoemission spectroscopy (ARPES). |
| TLS 21B1 | 2019-1-182-1 | 彭維鋒 | 淡江大學物理系 | 0 | 2019/04/02 09:00 | 2019/04/04 09:00 | 6 | 3 | Electronic/Atomic Structures, Orbital and Magnetic Properties of the Highly Correlated Electron Systems. |
| TLS 21B1 | 2019-1-193-1 | 吳忠霖 | 國立成功大學物理系 | 0 | 2019/04/04 09:00 | 2019/04/07 09:00 | 9 | 2 | Visualize band structure modification of different 2D materials by phototemission spectroscopy |
| TLS 21A2 | 2019-1-104-1 | Ogilvie, John F. | Universidad de Costa Rica | 0 | 2019/04/09 09:00 | 2019/04/15 09:00 | 18 | 1 | Silicon-nitrogen species from far-ultraviolet photolysis of mixtures of silane and dinitrogen or nitrogen oxide in solid neon near 4 K |
| TLS 21A1 | 2019-1-213-1 | 李世煌 | NSRRC | 2 | 2019/04/15 09:00 | 2019/04/21 09:00 | 18 | 1 | Study of Criegee intermediates |
| TLS 21B1 | 2019-1-258-1 | 郭瑞年 | 國立清華大學物理系 | 0 | 2019/04/23 09:00 | 2019/04/23 17:00 | 1 | 2 | Investigation of the topological phase of alpha-Sn thin films |
| TLS 21B2 | 2019-1-153-1 | 光源產業應用小組 | NSRRC | 6 | 2019/04/23 17:00 | 2019/04/24 09:00 | 2 | 11 | Development and application of Extreme Ultraviolet Interference Lithography Technology |
| TLS 21B2 | 2019-1-255-1 | 王家綦 | 國立中山大學化學系 | 0 | 2019/04/24 09:00 | 2019/04/29 09:00 | 15 | 1 | Probing the Oxidation and Heterogeneous Reaction of Nanoaerosols via Aerosol VUV Photoelectron Spectroscopy |
| TLS 21B2 | 2019-1-153-1 | 光源產業應用小組 | NSRRC | 6 | 2019/04/29 09:00 | 2019/04/29 17:00 | 1 | 11 | Development and application of Extreme Ultraviolet Interference Lithography Technology |
| TLS 21B1 | 2019-1-258-1 | 郭瑞年 | 國立清華大學物理系 | 0 | 2019/04/29 17:00 | 2019/05/02 09:00 | 8 | 2 | Investigation of the topological phase of alpha-Sn thin films |
| TLS 21A2 | 2019-1-224-1 | 鄭炳銘 | NSRRC | 0 | 2019/05/02 09:00 | 2019/05/05 09:00 | 9 | 1 | VUV Photolysis of icy samples |

21A1 PEC: 18 Shifts (9.1%) SPK: 42 Shifts (21.2%)
21A2 PEC: 27 Shifts (13.6%)
21B1 PEC: 63 Shifts (31.8%) M&S: 12 Shifts (6.1%)
21B2 PEC: 30 Shifts (15.2%) IA: 6 Shifts (3.0%)

發言人： 21A1 _____ 21A2 _____ 21B1 _____ 21B2 _____ Approved by: _____

