

## 2018B Performed Proposals

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NUMBERInterfact of unique of any set of a set of	S/N	Proposal No.	Performed Proposal Title	Project Leader	Affiliation	Country		Beamline	Performed Shift
NULL NULL NULL NULLMathematical Antional Antio	1	2018B8001	Imaging Ion Channels in Action	Raymond Sierra	Stanford Linear Accelerator Center	USA		BL2	3
Barrow         Bounds with any sector of the sector o	2	201888003	Femtosecond time-resolved X-ray absorption spectroscopy of N-doped TiO2 nanoparticle	Takeshi Morikawa	TOYOTA CENTRAL R&D LABS., INC.	Japan		BL3	5
Nome         Particle interpretation interpretatinterpretation interpretation	3	201888008	Signal generation in Bacteriophytochromes studied by Serial Femtosecond Crystallography	Sebastian Westenhoff	University of Gothenburg	Sweden	SACLA General Proposal	BL3	5
Description         Mode (Masse)         Mode (Masse) </td <td>4</td> <td>201888011</td> <td></td> <td>Yuva Kubota</td> <td></td> <td>Japan</td> <td>SACLA General Proposal</td> <td>BL3</td> <td>5</td>	4	201888011		Yuva Kubota		Japan	SACLA General Proposal	BL3	5
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Image and any set of generating methods and any set of generating any set of generating and any set of generating and any set of generating and any set of generating any s	_			Edwin Kukk	-	Finland	(Non-proprietary)		
Nome         Angene         Angene <td>7</td> <td>201888015</td> <td>solvent reorganization processes during photo-induced electron transfer reaction</td> <td>Shin-ichi Adachi</td> <td></td> <td>Japan</td> <td>(Non-proprietary)</td> <td>BL3</td> <td>5</td>	7	201888015	solvent reorganization processes during photo-induced electron transfer reaction	Shin-ichi Adachi		Japan	(Non-proprietary)	BL3	5
Normal         Normal proceedings of the Network in Source So	8	2018B8016 <sup>2)</sup>		Jiangyun Wang	Insitute of Biophysics	China		BL2	1.5
Bayon         Bayon <t< td=""><td>9</td><td>201888018</td><td></td><td>Isabel Moraes</td><td>National Physical Laboratory</td><td>UK</td><td></td><td>BL2</td><td>3</td></t<>	9	201888018		Isabel Moraes	National Physical Laboratory	UK		BL2	3
Der Norm         Norm      <	10	2018B8019	Time-resolved serial femtosecond crystallography to reveal dynamical properties including hydrolysis	Fumi Shima	Kobe University	Japan	SACLA General Proposal	BL2	3
Bit Notes         Instance matches of the manage of the margine by the manage of the margine by the margin by the margin by the margine by the margine by the margine by	11	201888023		Ichiro Inoue	RIKEN	Japan	SACLA General Proposal	BL3	5
Indef Instantion         Instantinstantion	12	201888024	Elucidating adduct-isolation mechanism of gas molecular in hemoglobin by femtosecond time-	Shunsuke Nozawa	High Energy Accelerator Research	lanan		BI 3	48
Interpart         Interpart of Lower Data Set and segments of Lower Data Set and Section Data Set and Set and Set and Section Data Set and Set a	_								
Decision					-	Japan			
Description         Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>	14	2018B8026		Yuichi Yamasaki		Japan	(Non-proprietary)	BL1	6.5
Displace	15	2018B8027	Sub-10nm XFEL focusing with large-NA multilayer focusing mirrors	Kazuto Yamauchi	Osaka University	Japan	(Non-proprietary)	BL3	7
Desc         Desc <thdesc< th="">         Desc         Desc         <th< td=""><td>16</td><td>201888028</td><td>Electron-ion coincidence spectroscopy of two-color XUV-NIR nonlinear atomic processes</td><td>Mizuho Fushitani</td><td>Nagoya University</td><td>Japan</td><td></td><td>BL1</td><td>7</td></th<></thdesc<>	16	201888028	Electron-ion coincidence spectroscopy of two-color XUV-NIR nonlinear atomic processes	Mizuho Fushitani	Nagoya University	Japan		BL1	7
Bester         Bester<	17	2018B8029 <sup>1)</sup>		Jian-Ren Shen	Okayama University	Japan	SACLA General Proposal	BL2	5
Number of the Authority of the Author of The Auth	18	2018B8030	Polarized femtosecond time-resolved EXAFS Studies of the Structural and Electronic Dynamics in	James Penner-Hahn	University of Michigan	USA	SACLA General Proposal	BL3	5
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Control         Contro <thcontrol< th=""> <thcontrol< th=""> <thco< td=""><td>_</td><td></td><td></td><td></td><td></td><td>Japan</td><td>(Non-proprietary)</td><td></td><td></td></thco<></thcontrol<></thcontrol<>	_					Japan	(Non-proprietary)		
Controls	21	2018B8038		Hironobu Machida	Panasonic Corporation	Japan	(Non-proprietary)	BL3	3
Control         North Rest examine         Nort Rest examine         North Rest examine<	22	2018B8039	condition of natural dense silicate structures	Takuo Okuchi	Okayama University	Japan	(Non-proprietary)	BL3	2
Nome         Nome </td <td>23</td> <td>2018B8040</td> <td></td> <td>Masato Kotsugi</td> <td>Tokyo University of Science</td> <td>Japan</td> <td></td> <td>BL1</td> <td>7</td>	23	2018B8040		Masato Kotsugi	Tokyo University of Science	Japan		BL1	7
Str         Str<         Str         Str         Str<	24	2018B8041		Yuya Shinohara	University of Tennessee, Knoxville	USA	SACLA General Proposal	BL3	6.9
Notestig         Under glutopering in any sector         Description of any sector <thdescription any="" of="" sector<="" th="">         Description of</thdescription>	25	2018B8042	Research on interaction of SXFEL with matter for EUV ultra-precision nano-fabrication	Masaharu Nishikino		Japan	SACLA General Proposal	BL1	6.8
Pointsend et revale         Development et revale         <									-
V Distance         Basis         Distance Distance         Distance Dis									
and process			lasers	Eriko Nango	RIKEN	Japan	(Non-proprietary)	BL2	3
Part 1000000000000000000000000000000000000	28	2018B8047		Youichi Sakawa	Osaka University	Japan	(Non-proprietary)	BL2	7
B)         Display         Display <thdisplay< th=""> <thdisplay< th=""> <thdispla< td=""><td>29</td><td>2018B8048<sup>1)</sup></td><td>Field-Induced Charge Ordering in Optimally Doped, La-Based Cuprate Superconductors</td><td>Johan Chang</td><td>University of Zurich</td><td>Switzerland</td><td></td><td>BL3</td><td>5</td></thdispla<></thdisplay<></thdisplay<>	29	2018B8048 <sup>1)</sup>	Field-Induced Charge Ordering in Optimally Doped, La-Based Cuprate Superconductors	Johan Chang	University of Zurich	Switzerland		BL3	5
10     Diabased     Hotershy and functional     Hotershy and functional     Japen     SACLA General Propest Backgement of a method for X-ray difficultion appartment on accystal of biological     Hoter Appartment     Biological (1) Biological	30	2018B8049		Motoaki Nakatsutsumi	European XFEL, GmbH	Germany		BL2	7
20         0.00000000000000000000000000000000000	31	2018B8050		Hidetaka Kasai	University of Tsukuba	Japan	SACLA General Proposal	BL3	3
Index Index Base         Index Index Index Base         Index Index Index Base         Index Index Index Base         Index Ind	32	201888051		Hideo Ago	RIKEN	Japan	SACLA General Proposal	BL2	3
Inter-mediation structure of photographic later is intermediate state of the oxygen-evolving and Michikro Suga         Obseyman University         Inter-production of the intermediate state of the oxygen-evolving and Michikro Suga         Obseyman University         Japan         Inter-production of the intermediate state of the oxygen-evolving and Michikro Suga         Obseymant Interviewal         Bull         2           50 1088056         Applie The intermediate state of the oxygen-evolving and Michikro Suga         So levata         RREN         Japan         Solution of the oxygen-evolving and Michikro Suga         Applie The oxygen-evolving and Michikro Suga         Solution of the oxygen-evolving and Michikro Suga         Solution of the oxygen-evolving and Michikro Suga         Applie The oxygen-evolving and Michikro Suga         Solution of the oxygen-evolving and Michikro Suga         Applie The oxygen-evolving and Michikro Suga         Solution of the oxygen-evolving and Michikro Suga         Michikro Suga         Applie The oxygen-evolving and Michikro Suga         Michikro	_			, , , , , , , , , , , , , , , , , , ,					
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Sol UnservedPaylor <th< td=""><td>34</td><td>2018B8055<sup>1)</sup></td><td></td><td>Michihiro Suga</td><td>Okayama University</td><td>Japan</td><td>(Non-proprietary)</td><td>BL2</td><td>5</td></th<>	34	2018B8055 <sup>1)</sup>		Michihiro Suga	Okayama University	Japan	(Non-proprietary)	BL2	5
Bit Note         Display         Netry (Instant)	35	2018B8056	Rapid structure determination system for drug-target proteins using the X-ray free electron laser	So Iwata	RIKEN	Japan	(Non-proprietary)	BL2	4
27 (2) 1988/05       Survey of pottigning phases in allocating egremation and germation indices by later-factor compression       Normase Nathyma       Tokyo Institute of Technology       Japan       (Non-proprietary)       EL3       2         20 1988/05       Viewaltation of cativity reaction groups and phases in allocation game store of registrony regimes using caped substrates — Time       Minour Kubo       University of Hyogo       Japan       SACLA General Proposel (Non-proprietary)       BL3       2         20 1988/05       Deck-induced generation of high-pressure allica phases by time-resolved X-ray scattering       Kyoab Udak       Tohoko Sato       Japan       SACLA General Proposel (Non-proprietary)       BL3       7         20 1988/05       Observation of laser-induced surface metting of nanoclusters by time-resolved X-ray scattering       Kyoab Udak       Tohoka University       Japan       SACLA General Proposel (Non-proprietary)       BL3       7         20 1988/05       Creation and observation of both-temes calculates by time-resolved X-ray scattering       Rohard Neutze       University of Cationard Proposel (Non-proprietary)       BL3       3       3         20 1988/05       Fertosecond X-ray protein nanocystallography of the chorine calculates at a reaction Intermediate state by resolution of John-scale liquid diffusion using utrafast XPCS       Oling Shrychic       UCas an Diago       Non-proprietary)       BL3       3         20 1988/05       Fe	36	2018B8057	Study on electronic state using resonant two-photon absorption spectroscopy	Kenji Tamasaku	RIKEN	Japan		BL3	5
Base         DV sublication of catalytic reaction processes of respiratory enzymes using caged substrates — Time- solution of catalytic reaction processes of respiratory enzymes using caged substrates — Time- solution of catalytic reaction processes of respiratory enzymes using caged substrates — Time- solution of catalytic reaction processes of respiratory enzymes using caged substrates — Time- solution of catalytic reaction processes of respiratory enzymes using caged substrates — Time- solution of catalytic reaction processes of respiratory enzymes using caged substrates — Time- solution of catalytic reaction processes of respiratory enzymes using caged substrates — Time- solution of catalytic reaction processes of respiratory enzymes and caged substrates — Time- solution of catalytic reaction processes of respiratory enzymes using caged substrates — Time- solution of catalytic reaction processes of respiratory enzymes and caged substrates — Time- solution of catalytic reaction processes of respiratory enzymes and caged substrates — Time- solution of catalytic reaction processes of respiratory enzymes and caged substrates — Time- solution of catalytic reaction processes of respiratory enzymes and caged substrates — Tesso Katayana Research Instructure Catalytic and observation of post-diamond         Japan SACLA General Proposal (Non-proprietary)         BL3         3           42         20188000         Creation and observation of post-diamond         Norimasa Craid (Non-proprietary)         Japan SACLA General Proposal (Non-proprietary)         BL2         3           43         20188000         Feretosecon X-rep protein annonystalography on the choirding purphy	37	2018B8058	Survey of postspinel phases in silicon and germanium nitrides by laser-shock compression	Norimasa Nishiyama	Tokyo Institute of Technology	Japan		BL3	2
39       201888061       Shock-induced generation of high-pressure alica phases by time-resolved x-ray diffraction       Tomoko Sato       Hiroshina University       Japan       SACLA General Proposal       BL3       2         0       201888061       Shock-induced generation of high-pressure alica phases by time-resolved x-ray scattering       Kyoshi Ueda       Japan Synchrötrön Radiation Research Institute       Japan       SACLA General Proposal       BL3       5         41       201888063       Observation of laser-induced surface melting of nanoclusters by time-resolved X-ray scattering       Kyoshi Ueda       Tohoku University       Japan       SACLA General Proposal       BL3       3         42       201888063       Creation and observation of post-diamond       Nortimasa Ozaki       Oeska University       Japan       SACLA General Proposal       BL3       3         42       201888067       Frauture determination of both-me heart cytochrome c coldase at a reaction intermediate state by transport by ane type of thirdic is on puop       Atsuhiro Shimada       Gifu University       Japan       SACLA General Proposal       BL2       3         45       20188907       Framescock X-ray protein nanocrystallography on the chirding pumping mechanis of light-driven transport by ane type of thirdic is on pump       Mikako Shirozuu       RIKCN       Japan       SACLA General Proposal       BL2       3         4	38	2018B8060		Minoru Kubo	University of Hyogo	Japan	SACLA General Proposal	BL2	4
Operation         Direct observation of the intersystem crossing in the Cu(i) complex by femtosecond time-resolved x- rey emission spectroscopy         Japan Synchrotron Radiation Research Institute         Japan Japan Synchrotron Radiation Research Institute         Japan Japan Japan Structural changes in photosynthetic reaction centers         BL3         5           22 1085005         Creation and observation of post-diamond         Normaso Zaki Japan Synchrotron Radiation Research Institute         Japan Japan Japan Structure determination of post-diamond         BL3         3           32 10180007         Structure determination of post-diamond         Normaso Zaki Japan Microsoftan Structure determination of post-diamond         BL2         3           42 201805007         Pump-probe, Immersolved serial femtosecond crystallography of phytochromes         Alteo Orille         Diamon Light Source, Ltd.         UK         ScLA General Proposal (Non-proprietary)         BL2         3           42 201805007         Pump-probe, Immersolved serial femtosecond crystallography of phytochromes         Alteo Orille <t< td=""><td>39</td><td>2018B8061</td><td></td><td>Tomoko Sato</td><td>Hiroshima University</td><td>Japan</td><td>SACLA General Proposal</td><td>BL3</td><td>2</td></t<>	39	2018B8061		Tomoko Sato	Hiroshima University	Japan	SACLA General Proposal	BL3	2
U0U1 <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td>					-				
12       Dispersion of user-modeed surface mething of hanoclusters by time-resolved X-ray scattering       Kiyosin Leda       Lonku University       Japan       Non-proprietary)       BL3       7         42       Dispersion       Sixed       University of Gothenburg       Sweden       SACLA General Proposal (Non-proprietary)       BL3       3         42       Dispersion       Social General Proposal (Non-proprietary)       BL3       3         43       Dispersion       Social General Proposal (Non-proprietary)       BL3       3         44       Dispersion       Social General Proposal (Non-proprietary)       BL2       3         45       Dispersion       Social General Proposal (Non-proprietary)       BL2       3         46       Dispersion       Micko Shrouzu (Non-proprietary)       BL2       3         47       Dispersion       Measurement of coherent-phonon coupling to the electronic gap in topological insulators and Dirac (Non-proprietary)       BL3       7         48       Dispersion       Measurement of coherent-phonon coupling to the electronic gap in topological insulators and Dirac (Non-proprietary)       USA       SACLA General Proposal (Non-proprietary)       BL3       7         49       Dispersion       Measurement of coherent-phonon coupling to the electronic gap in topological insulators and Dirac (Non-proprietary)       USA<									
Part 201988000       Utransit structural changes in protocymenter fraction centers       Nortinasa Ozaki       Osaka University       Japan       SACLA General Proposal (Non-propriation)       BL3       3         43       201888007       Structure determination of bowine hear tystochrome c oxidase at a reaction intermediate state by time-resolved SFX method       Atsuhiro Shimada       Gifu University       Japan       SACLA General Proposal (Non-propriation)       BL2       3         45       20188807       Fentosecond X-ray protein nanocrystallography on the chloride pumping mechanis of light-driven       Mikako Shirouzu       RitEN       Japan       SACLA General Proposal (Non-propriation)       BL2       3         46       20188807       Pump-robe, time-resolved sarial fentosecond crystallography of phytochromes       Atlen Orvile       Diamond Light Source, Ltd.       UK       Non-propriation)       BL2       5         47       20188807       Sacuad fentosecond vrstallography of phytochromes       Atlen Orvile       Diamond Light Source, Ltd.       UK       Non-propriation)       BL3       4.5         48       20188807       Sacuad fentosecond resolution and putrafast XPCS       Oleg Shpyrko       UC San Diego       USA       SAcLA General Proposal (Non-propriation)       BL3       5         49       201888082       Probing the dynamic crossoverin liquid diffusion using uttrafast XPCS				-	*		(Non-proprietary)		-
Normase Draw       Operation       Normase Draw       Obasic University       Japan       (Non-proprietary)       BL3       3         42       20188807       Structure determination of boxine heart cytochrome c oxidase at a reaction intermediate state by time-resolved SFX method       Atsuhiro Shimada       Gifu University       Japan       SACLA General Proposal (Non-proprietary)       BL2       3         45       20188807       Femtosecond X-ray protein nanocrystallography on the chloride pumping mechanis of light-driven timesport by a new type of chloride lon pump       Milako Shirouzu       RilKEN       Japan       SACLA General Proposal (Non-proprietary)       BL2       3         46       20188807       Pemp-probe, time-resolved serial femtosecond crystallography of phytochromes       Allen Orville       Diamond Light Source, Ltd.       UK       SACLA General Proposal (Non-proprietary)       BL3       4.5         47       20188807       Measurement of coherent-phonon coupling to the electronic gap in topological insulators and Diree semimetals       Christopher Weber       Santa Liare University       USA       SACLA General Proposal (Non-proprietary)       BL3       7.7         48       201888080       Oynamics of atomic-scale liquid diffusion using ultrafast XPCS       Oleg Shoyrko       UC San Diego       USA       SACLA General Proposal (Non-proprietary)       BL3       5         50       201888	42	2018B8068	Ultrafast structural changes in photosynthetic reaction centers	Richard Neutze	University of Gothenburg	Sweden	(Non-proprietary)	BL3	3
44       2018807       Structure determination of bovine heart cytochrome c oxidase at a reaction intermediate state by inter-resolved SFX method.       Actual densation of transport by a new type of chloride ion pump.       SACLA General Proposal RL2       3         45       20188073       Femtosecond X-ray protein nanocrystallography on the chloride pumping mechanis of light-driven transport by a new type of chloride ion pump.       Mikako Shirouzu       RiKEN       Japan       SACLA General Proposal RL2       3         46       20188077       Pump-probe, time-resolved serial femtosecond crystallography of phytochromes       Allen Orville       Diamond Light Source, Ltd.       UK       SACLA General Proposal RL2       5         47       20188079       Measurement of coherent-phonon coupling to the electronic gap in topological insulators and Direc Sate Sate Sate Sate Sate Sate Clare University       USA       SACLA General Proposal RL3       4.5         48       201880802       Probing the dynamic crossover in liquid Ga       Jarome Hastings       SLAC National Accelerator Laboratory       USA       SACLA General Proposal RL3       5         49       201880802       Probing the dynamic crossover in liquid Ga       Jarome Hastings       SLAC National Accelerator Laboratory       USA       SACLA General Proposal RL3       5         40       201880802       Exploring the dynamic crossover in liquid Ga       Jarome Hastinga       Laboratory       USA	43	2018B8069		Norimasa Ozaki	Osaka University	Japan	(Non-proprietary)	BL3	3
45       2018B073       Femtosecond X-ray protein nanocrystallography on the chloride pumping mechanis of light-driven transport by a new type of chloride ion pump       Mikako Shirouzu       RIKEN       Japan       SACLA General Proposal (Non-proprietary)       BL2       3         46       2018B0076       Pump-probe, time-resolved serial femtosecond crystallography of phytochromes       Allen Orville       Diamond Light Source, Ltd.       UK       SACLA General Proposal (Non-proprietary)       BL2       5         47       2018B0076       Pump-probe, time-resolved serial femtosecond crystallography of phytochromes animitatis       Christopher Weber       Santa Clara University       USA       SACLA General Proposal (Non-proprietary)       BL3       4,5         48       2018B0076       Dynamics of atomic-scale liquid diffusion using ultrafast XPCS       Oleg Shpyrko       UC San Diego       USA       SACLA General Proposal (Non-proprietary)       BL3       7         49       2018B0082       Probing the dynamic crossover in liquid Ga       Jerome Hastings       SLAC National Accelerator Laboratory       USA       SACLA General Proposal (Non-proprietary)       BL3       5         50       2018B0086       High-order X-ray – Optical Sum Frequency Generation (XSFG)       Matthias Fuchs       University of Nebraska Lincoln       USA       SACLA General Proposal (Non-proprietary)       BL3       5         52 <td>44</td> <td>2018B8071</td> <td></td> <td>Atsuhiro Shimada</td> <td>Gifu University</td> <td>Japan</td> <td>SACLA General Proposal</td> <td>BL2</td> <td>3</td>	44	2018B8071		Atsuhiro Shimada	Gifu University	Japan	SACLA General Proposal	BL2	3
46       201888076       Pump-probe, time-resolved serial femtosecond crystallography of phytochromes       Allen Orville       Diamond Light Source, Ltd.       UK       SACLA General Proposal (Non-proprietary)       BL3       4.5         47       201888079       Measurement of coherent-phonon coupling to the electronic gap in topological insulators and Direc semimetals       Christopher Weber       Santa Clara University       USA       SACLA General Proposal (Non-proprietary)       BL3       4.5         48       201888079       probing the dynamic crossover in liquid diffusion using ultrafest XPCS       Oleg Shpyrko       UC San Diego       USA       SACLA General Proposal (Non-proprietary)       BL3       5         49       201888082       probing the dynamic crossover in liquid Ga       Jerome Hastings       SLAC National Accelerator Laboratory       USA       SACLA General Proposal (Non-proprietary)       BL3       5         50       201888082       kplonder Array - Optical Sum Frequency Generation (XSFG)       Matthias Fuchs       University of Nebraska Lincoln       USA       SACLA General Proposal (Non-proprietary)       BL3       5         51       201888082       charge carrier and structural dynamics in novel iron carbene complexes.       Jens Uhlig       Lund University of Nebraska Lincoln       USA       SACLA General Proposal (Non-proprietary)       BL3       5         52       201	45	2018B8073	Femtosecond X-ray protein nanocrystallography on the chloride pumping mechanis of light-driven	Mikako Shirouzu	RIKEN	Japan	SACLA General Proposal	BL2	3
Arrow Control       Christopher Weber       Santa Clara University       USA       SACLA General Proposal (Non-proprietary)       BL3       4.5         47       201888080       Dynamics of atomic-scale liquid diffusion using ultrafast XPCS       Oleg Shpyrko       UC San Diego       USA       SACLA General Proposal (Non-proprietary)       BL3       7         49       201888082       Probing the dynamic crossover in liquid Ga       Jerome Hastings       SLAC National Accelerator Laboratory       USA       SACLA General Proposal (Non-proprietary)       BL3       7         49       201888082       Probing the dynamic crossover in liquid Ga       Jerome Hastings       SLAC National Accelerator Laboratory       USA       SACLA General Proposal (Non-proprietary)       BL3       5         50       201888083       Exploring the chemical sensitivity of Spontaneous Satellite X-ray Emission from double core holes       Franklin Fuller       SLAC National Accelerator Laboratory       USA       SACLA General Proposal (Non-proprietary)       BL3       5         51       201888087       Charge carrier and structural dynamics in novel iron carbene complexes.       Jens Uhlig       Lund University       Sweden       SACLA General Proposal (Non-proprietary)       BL3       4.8         53       201888087       Charge carrier and structural dynamics in novel iron carbene complexes.       Jens Uhlig       L	46	2018B8076		Allen Orville	Diamond Light Source, Ltd.	UK	SACLA General Proposal	BL2	5
seminetals         Mathematical         Mathematical <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td>SACLA General Proposal</td> <td></td> <td></td>					_		SACLA General Proposal		
Name: of atomic-scale liquid diffusion using ultratist XPCS       Olig Shpyrko       UC San Diego       USA       (Non-proprietary)       BL3       //         Value 2018B8082       Probing the dynamic crossover in liquid Ga       Jerome Hastings       SLAC National Accelerator       USA       SACLA General Proposal       BL3       5         Value 2018B8082       Probing the dynamic crossover in liquid Ga       Jerome Hastings       SLAC National Accelerator       USA       SACLA General Proposal       BL3       5         Value 2018B8082       Exploring the chemical sensitivity of Spontaneous Satellite X-ray Emission from double core holes       Franklin Fuller       SLAC National Accelerator       USA       SACLA General Proposal       BL3       5         Value 2018B8086       High-order X-ray – Optical Sum Frequency Generation (XSFG)       Matthias Fuchs       University of Nebraska Lincoln       USA       SACLA General Proposal (Non-proprietary)       BL3       4.8         Value 2018B8087       Charge carrier and structural dynamics in novel iron carbene complexes.       Jens Uhlig       Lund University       Sween       SACLA General Proposal (Non-proprietary)       BL3       4.8         Value 2018B8088       Nanoscopic Ultrafast Imaging of Photocarrier Interaction with Ferroelectric Polarization in BiFe03       Yue Cao       Argone National Laboratory       USA       SACLA General Proposal (Non-proprietary)									
19       2018bb/202       Product He dynamic Crossover in include Ga       Jerome Hastings       Laboratory       USA       (Non-proprietary)       BL3       5         50       2018bb/202       Exploring the chemical sensitivity of Spontaneous Satellite X-ray Emission from double core holes       Franklin Fuller       SLAC National Accelerator       USA       (Non-proprietary)       BL3       5         51       2018bb/202       Frome Hastings       University of Nebraska Lincoln       USA       SACLA General Proposal (Non-proprietary)       BL3       5         52       2018bb/202       Charge carrier and structural dynamics in novel iron carbene complexes.       Jens Uhlig       Lund University       Sweden       SACLA General Proposal (Non-proprietary)       BL3       4.8         53       2018bb/202       Manoscopic Ultrafast Imaging of Photocarrier Interaction with Ferroelectric Polarization in BiFeO3       Yue Cao       Argonne National Laboratory       USA       SACLA General Proposal (Non-proprietary)       BL3       5         54       2018bb/203       Time-Resolved X-ray Spectroscopy Combined with Crystallography of Photosystem II at Room Temperature       Junko Yano       Lawrence Barkeley National Laboratory       USA       SACLA General Proposal (Non-proprietary)       BL2       5         55       2018bb/203       Time-Resolved X-ray Spectroscopy Combined with Crystallography of Photosy					ě		(Non-proprietary)		
Dip 2018bb/2012       Charge carrier and structury of spontaneous stateline X-ray Emission from double core noise       Franklin Fuller       Laboratory       USA       (Non-proprietary)       BL3       5         2018bb/2012       2018bb/2012       SacLA General Proposal (Non-proprietary)       BL3       5         2018b/2012       Charge carrier and structural dynamics in novel iron carbene complexes.       Jens Uhlig       Lund University       Sweden       SACLA General Proposal (Non-proprietary)       BL3       4.8         32       2018b/2012       Nanoscopic Ultrafast Imaging of Photocarrier Interaction with Ferroelectric Polarization in BIFe03 by Coherent X-ray Diffraction       Yue Cao       Argonne National Laboratory       USA       SACLA General Proposal (Non-proprietary)       BL3       5         54       2018b/2012       Time-Resolved X-ray Spectroscopy Combined with Crystallography of Photosystem II at Room Temperature       Junko Yano       Lawrence Berkeley National Laboratory       USA       SACLA General Proposal (Non-proprietary)       BL2       5         55       2018b/2012       Kinetics of Carbon-Hydrogen Phase Separation at Conditions Comparable to the Interiors of lcy (man-proprietary)       Dominik Kraus       Reseandorf       Germany (Non-proprietary)       BL3       2         56       2018b/2013       Structural dynamics of the G protein-coupled receptor rhodopsin studied by pump probe serial femtosecond crystallography. <td>49</td> <td>2018B8082</td> <td>Probing the dynamic crossover in liquid Ga</td> <td>Jerome Hastings</td> <td>Laboratory</td> <td>USA</td> <td>(Non-proprietary)</td> <td>BL3</td> <td>5</td>	49	2018B8082	Probing the dynamic crossover in liquid Ga	Jerome Hastings	Laboratory	USA	(Non-proprietary)	BL3	5
51       2018B8008       High-order X-ray – Optical sum Frequency Generation (XSFG)       Mattmas Fuchs       University of Neoraska Lincoin       USA       (Non-proprietary)       BL3       5         52       2018B8008       Charge carrier and structural dynamics in novel iron carbene complexes.       Jens Uhlig       Lund University       Sweden       SACLA General Proposal (Non-proprietary)       BL3       4.8         53       2018B8008       Nanoscopic Ultrafast Imaging of Photocarrier Interaction with Ferroelectric Polarization in BIFe03       Yue Cao       Argone National Laboratory       USA       SACLA General Proposal (Non-proprietary)       BL3       5         54       2018B8008       Time-Resolved X-ray Diffraction       Time-Resolved X-ray Spectroscopy Combined with Crystallography of Photosystem II at Room Temperature       Junko Yano       Lawrence Berkeley National Laboratory       USA       SACLA General Proposal (Non-proprietary)       BL2       5         55       2018B8009       Kinetics of Carbon-Hydrogen Phase Separation at Conditions Comparable to the Interiors of Icy Giant Planets       Dominik Kraus       Helmholtz-Zentrum Dresden- Rossendorf       Germany (Non-proprietary)       BL3       2         56       2018B8009       Structural dynamics of the G protein-coupled receptor rhodopsin studied by pump probe serial femtosecond crystallography.       Germany (Non-proprietary)       SACLA Time-Designated (Non-proprietary)       BL3 <td>50</td> <td>2018B8083</td> <td>Exploring the chemical sensitivity of Spontaneous Satellite X-ray Emission from double core holes</td> <td>Franklin Fuller</td> <td></td> <td>USA</td> <td>(Non-proprietary)</td> <td>BL3</td> <td>5</td>	50	2018B8083	Exploring the chemical sensitivity of Spontaneous Satellite X-ray Emission from double core holes	Franklin Fuller		USA	(Non-proprietary)	BL3	5
52       201888087       Charge carrier and structural dynamics in novel iron carbene complexes.       Jens Uhlig       Lund University       Sweden       SACLA General Proposal (Non-proprietary)       BL3       4.8         53       201888088       Nanoscopic Ultrafast Imaging of Photocarrier Interaction with Ferroelectric Polarization in BiFe03       Yue Cao       Argonne National Laboratory       USA       SACLA General Proposal (Non-proprietary)       BL3       5         54       201888088       Time-Resolved X-ray Diffraction       USA       SACLA General Proposal (Non-proprietary)       BL3       5         54       201880089       Time-Resolved X-ray Spectroscopy Combined with Crystallography of Photosystem II at Room Temperature       Junko Yano       Lawrence Berklety National Laboratory       USA       SACLA General Proposal (Non-proprietary)       BL2       5         55       201880090       Kinetics of Carbon-Hydrogen Phase Separation at Conditions Comparable to the Interiors of Icy Gabaratory       Dominik Kraus       Hellmholtz-Zentrum Dresden-Rossendorf       Germary       SACLA General Proposal BL3       2         56       201888091       Structural dynamics of the G protein-coupled receptor rhodopsin studied by pump probe serial Gebhard Schertler       Paul Scherrer Institut       Switzerland       SACLA General Proposal BL3       3         57       201888800       Mandocodur Obsenzation of Mutamotiba Nanomatariale	51	2018B8086	High-order X-ray – Optical Sum Frequency Generation (XSFG)	Matthias Fuchs	University of Nebraska Lincoln	USA		BL3	5
S3       201888088       Nanoscopic Ultrafast Imaging of Photocarrier Interaction with Ferroelectric Polarization in BiFeO3       Yue Cao       Argonne National Laboratory       USA       SACLA General Proposal (Non-proprietary)       BL3       5         54       201888089       Time-Resolved X-ray Spectroscopy Combined with Crystallography of Photosystem II at Room Temperature       Junko Yano       Lawrence Berkeley National Laboratory       USA       SACLA General Proposal (Non-proprietary)       BL2       5         55       201888099       Kinetics of Carbon-Hydrogen Phase Separation at Conditions Comparable to the Interiors of Icy Giant Planets       Dominik Kraus       Helmholtz-Zentrum Dresden- Rossendorf       Germany (Non-proprietary)       SACLA General Proposal BL3       2         56       201888091       Structural dynamics of the G protein-coupled receptor rhodopsin studied by pump probe serial femtosecond crystallography.       Gebhard Schertier       Paul Scherrer Institut       Switzerland (Non-proprietary)       BL3       3         57       20188800       Mandphology Obsence to of dynamotibe Nanomaterials by using XEEL-COL technique       Hisag Xamashing       Towata Motor Comparator       Ianage       SACLA Time-Designated (Non-proprietary)       BL3       2       burst	52	2018B8087	Charge carrier and structural dynamics in novel iron carbene complexes.	Jens Uhlig	Lund University	Sweden	SACLA General Proposal	BL3	4.8
by Coherent X-ray Ultraction       (Mon-proprietary)         54       201880093       Time-Resolved X-ray Spectroscopy Combined with Crystallography of Photosystem II at Room Temperature       Junko Yano       Lawrence Berkeley National Laboratory       USA       SACLA General Proposal (Non-proprietary)       BL2       5         55       201880093       Kinetics of Carbon-Hydrogen Phase Separation at Conditions Comparable to the Interiors of Icy Giant Planets       Dominik Kraus       Moneshore Rossendorf       Germany (Non-proprietary)       SACLA General Proposal (Non-proprietary)       BL3       2         56       201888091       Structural dynamics of the G protein-coupled receptor rhodopsin studied by pump probe serial femtosecond crystallography.       Gebhard Schertier       Paul Scherrer Institut       Switzerland (Non-proprietary)       BL3       3         57       20198800       Monehology Obsenzation of dynamotibe Nanomaterials by using XEEL-COL technique       Hisag Xamashing       Townta Motor Comporation       Ianaga       SACLA Time-Designated (Non-proprietary)       BL3       2       burst	53	2018B8088		Yue Cao	Argonne National Laboratory	USA	SACLA General Proposal	BL3	5
Image: Temperature       Comportance       Comportanc					Lawrence Berkeley National		SACLA General Proposal		
So 2018b000     Giant Planets     Dominik Kraus     Rossendorf     Germany     (Non-proprietary)     BL3     2       56     2018b001     Structural dynamics of the G protein-coupled receptor rhodopsin studied by pump probe serial femtosecond crystallography.     Gebhard Schertler     Paul Scherrer Institut     Switzerland (Non-proprietary)     BL3     3       57     2018b800     Machelony Obsenzation of Automotibe Nanomaterials by using XEEL-CDL technique     Hisso Xamashine     Tourita Motor Corporation     Ianan     SACLA Time-Designated     BL2     2 bourse					,				
bb 2018B809 femtosecond crystallography. BL3 3 Femtosecond crystallography. BL3 3 F7 2018B8800 Morphology Observation of Automotibe Nanomaterials by using YEFL-OD technique. Hisso Yamashina Toyota Motor Corporation Lanan SACLA Time-Designated BL 2 2 hours			Giant Planets		Rossendorf		(Non-proprietary)		
	56	2018B8091		Gebhard Schertler	Paul Scherrer Institut	Switzerland	(Non-proprietary)	BL3	3
	57	201888800	Morphology Observation of Automotibe Nanomaterials by using XFEL-CDI technique	Hisao Yamashige	Toyota Motor Corporation	Japan		BL2	2 hours

 $^{1)}$  SACLA Research Proposals for Complementary Use with SPring-8, J-PARC/MLF or the K computer.  $^{2}$  Including the feasibility check beamtime (FCBT) of 0.5 shifts in performed shift.