

► **Plenary Session**

Location: 2F, Global Center Grand Ballroom1-2		
June 17		
Presider: Zeren Li , China Academy of Engineering Physics		
08:30-08:45	Opening Ceremony	
Presider: Liguozhu , China Academy of Engineering Physics		
08:45-09:25	<p>P Recent progresses of high brightness electron beam and its applications Chuanxiang Tang, Tsinghua University, China</p>	p24
09:25-10:05	<p>P Terahertz Time-Domain Spectroscopy, a Promising Industry Zeren Li, China Academy of Engineering Physics, China</p>	p24
10:05-10:35	Coffee Break & Group Photo	
Presider: Jianmin Yuan , China Academy of Engineering Physics		
10:35-11:15	<p>P Information Metamaterials in Space Coding, Frequency Coding, Time Coding, and Space-Time Coding Tiejun Cui, Southeast University, China</p>	p25
11:15-11:55	<p>P Probing ultrafast spintronic transport with terahertz radiation Tobias Kampfrath, The Free University of Berlin, Germany</p>	p25
June 18		
Presider: Cunlin Zhang , Capital Normal University		
08:30-09:10	<p>P Recent Progress on THz Liquid Photonics Yiwen E/Xi-Cheng Zhang, University of Rochester, USA</p>	p25
Presider: Weiwei Liu , Nankai University		
13:30-14:10	<p>P Terahertz Driven Electron and X-ray Sources Franz Kaertner, Deutsches Elektronen-Synchrotron (DESY) / University of Hamburg, Germany</p>	p26
14:10-14:50	<p>P High harmonics, attosecond pulses and incoherent radiation from ultra-relativistic laser-plasmas Alexander Pukhov, University of Dusseldorf, Germany</p>	p26
14:50-15:05	Coffee Break	

► Terahertz Science and Technology I

Location: 2F, Kaiyan Room (凯雁厅)		
June 17		
THz Bio I		
Presider: Hongliang Cui , Chongqing Institute of Green and Intelligent Technology, CAS		
13:30-14:00	<p>K Control and applications of the ultrafast terahertz technology Chao Chang, Xi'an Jiaotong University & Tsinghua University, China</p>	p27
14:00-14:20	<p>I ATP-photon and quantum neuron Bo Song, University of Shanghai for Science and Technology, China</p>	p27
14:20-14:40	<p>I A terahertz biosensor based on graphene-electrophoresis technology Yiwen Sun, Shenzhen University, China</p>	p28
14:40-15:00	<p>I Manipulation of terahertz optoacoustic detection in water based solution and bio-tissues Zhen Tian, Tianjin University, China</p>	p28
15:00-15:20	<p>I THz Biosensors based on metamaterials Yuping Yang, Minzu University of China, China</p>	p29
15:20-15:35	Coffee Break	
Presider: Xiaoyu Peng , Chongqing Institute of Green and Intelligent Technology, CAS		
15:35-15:55	<p>I Midinfrared modulation of neuronal signaling and animal behavior Yousheng Shu, Fudan University, China</p>	p29
15:55-16:15	<p>I Promising terahertz technology for biomedical diagnosis Kun Meng, Qingdao Quenda Terahertz Technology Co. Ltd., China</p>	p30
16:15-16:35	<p>I Non-invasive, opsin-free mid-infrared modulation activates cortical neurons and accelerates associative learning Xiaowei Chen, Army Medical University, China</p>	p30
16:35-16:55	<p>I Atomic superheterodyne receiver based on microwave-dressed Rydberg spectroscopy Linjie Zhang, Shanxi University, China</p>	p31
16:55-17:15	<p>I Terahertz Spectral Imaging of Biological Samples on the Millimeter, Micrometer and Nanometer Scales Huabin Wang, Chongqing Institute of Green and Intelligent Technology, CAS, China</p>	p31

Best Student Paper of THz		
President: Mingxia He, Tianjin University		
17:15-17:30	<p>O Real-time Measuring Ultra-Fast Near-field Resonance Response of Cantilevered Terahertz Probe hu min[*]; yueying wang; shenggang liu; zhang zhuocheng; zhang xiaoqiuyan; zhang tianyu; xu xingxing, University of Electronic Science and Technology of China, China</p>	p32
17:30-17:45	<p>O Comparison of material characterization in free space between the Vector Network Analyzer and the Terahertz time-domain spectroscopy Dayou Liu^{1;2;3;4}; Feng Qi^{1;2;3*}, 1.Key Laboratory of Opto-Electronic Information Processing, CAS, China; 2.Shenyang Institute of Automation, CAS, China; 3.Institutes for Robotics and Intelligent Manufacturing, CAS, China; 4.University of Chinese Academy of Sciences, China</p>	p32
17:45-18:00	<p>O A Bidirectional Data-Driven Design Approach for Metamaterials Absorber Using Ensemble Learning Yongqiang Zhu; Yue Wang[*]; Zijian Cui; Lisha Yue; Xiaoju Zhang; Xiang Zhang; Cheng Ma, Xi'an University of Technology, China</p>	p32
June 18		
THz Source I		
President: Zhiyi Wei, Institute of Physics, CAS		
09:20-09:50	<p>K Terahertz radiation with peak power upto GW-TW from intense laser-foil interactions Yutong Li, Institute of Physics, CAS, China</p>	p33
09:50-10:20	<p>K Recent progress on ultrashort electron beam based THz radiation and its applications at THU Lixin Yan, Tsinghua University, China</p>	p33
10:20-10:35	Coffee Break	
THz spectroscopy I		
President: Wenhui Fan, Xi'an Institute of Optics and Precision Mechanics, CAS		
10:35-11:05	<p>K Photoconductive Antennas Manipulated by Nano- And Micron- Scale Meta-Atoms Jianqiang Gu, Tianjin University, China</p>	p34
11:05-11:25	<p>I Optimizing two color air plasma system for broadband terahertz time domain spectroscopy Tianwu Wang, Great Bay Area research institute, Aerospace information research institute of CAS, China</p>	p34

11:25-11:45	I Detection of aqueous samples by terahertz time-domain spectroscopy Lei Hou , Xi'an University of Technology, China	p35
11:45-12:05	I Terahertz polarization detection by photoconductive antenna arra Wei Shi , Xi'an University of Technology, China	p35
THz Source II		
Presider: Yiming Zhu , University of Shanghai for Science and Technology		
15:05-15:35	K Ultraintense laser driven extreme terahertz radiation Guoqian Liao , Institute of Physics, CAS, China	p36
15:35-15:55	I Towards to Superior Terahertz Response Based on ZnTe crystals by Tailoring the Bulk Defects and Surface Structures Yadong Xu , Northwestern Polytechnical University, China	p36
15:55-16:15	I Coherent diffraction radiation of relativistic terahertz pulses from a laser-driven microplasma waveguide Longqing Yi , Shanghai Jiao Tong University, China	p37
16:15-16:35	I Enhanced High Harmonic and Terahertz Generation from LiNbO3 Metasurface Dongwen Zhang , National University of Defense Technology, China	p37
16:35-16:50	O Terahertz tight focusing based on low-index metagratings with nonlocal phase modulation Jierong Cheng [*] , Nankai University, China	p38
16:50-17:05	O Investigation of tunable strontium titanate terahertz metamaterials Xiaoyong He [*] ; Hao Zhang, Shanghai Normal University, China	p38
17:05-18:30	Coffee Break & Post Session	
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THz QCL		
Presider: Hua Li , Shanghai Institute of Microsystem and Information Technology, CAS		
08:30-09:00	K Patch antennas for THz emission Julien Madéo , Okinawa Institute of Science and Technology, Japan	p39
09:00-09:20	I Two beam self mixing interference in terahertz quantum cascade lasers Weidong Chu , Institute of Applied Physics and Computational Mathematics, China	p40
09:20-09:40	I Terahertz quantum cascade vortex lasers Gangyi Xu , Shanghai Institute of Technical Physics, CAS, China	p40
09:40-10:00	I Very long wave infrared and THz quantum cascade lasers Junqi Liu , Institute of Semiconductors, CAS, China	p41

10:00-10:20	<p>High performance terahertz semiconductor lasers and transmission waveguides Chongzhao Wu, Shanghai Jiao Tong University, China</p>	p41
10:20-10:35	Coffee Break	
THz detector		
Presider: Weidong Chu , Institute of Applied Physics and Computational Mathematics		
10:35-10:55	<p>Terahertz semiconductor frequency comb and dual-comb sources Hua Li, Shanghai Institute of Microsystem and Information Technology, CAS, China</p>	p42
10:55-11:15	<p>Research on small size microbolometer type terahertz detector array Jun Wang, University of Electronic Science and Technology of China, China</p>	p42
11:15-11:35	<p>Fabrication, Measurement and Imaging Demonstration of Si-based BIB Terahertz array detector Xiaodong Wang, The 50th Research Institute of China Electronics Technology Group Corporation, China</p>	p43
Tutorial Talk		
Presider: Kun Meng , Qingdao QUNDA Terahertz Technology Co.,Ltd.		
14:00-14:45	<p>How to study nonlinear dynamics in semiconductor by terahertz wave free electron laser Harald Schneider, Helmholtz-Zentrum Dresden-Rossendorf, Germany</p>	p80
14:45-15:30	<p>How to accelerate ultrashort ion/particle beams and probe ultrafast dynamics in intense laser-irradiated targets Oswald Willi, Heinrich Heine University, Germany</p>	p80

► Terahertz Science and Technology II

Location: 2F, Honghu Room (鸿鹄厅)		
June 17		
THz device		
Presider: Zengxiu Zhao , National University of Defense Technology		
13:30-14:00	<p>K Nonlinear response of semiconductor systems under intense THz excitation Alexej Pashin, Helmholtz-Zentrum Dresden-Rossendorf, Germany</p>	p44
14:00-14:20	<p>I Microstructure-based THz sensing and spectroscopy Qin Chen, Jinan University, China</p>	p44
14:20-14:40	<p>I Terahertz chiral sensing based on artificial electromagnetic microstructure Fei Fan, Nankai University, China</p>	p44
14:40-15:00	<p>I The Way towards Terahertz Trace Molecular Fingerprint Sensing with Broadband Enhancement Jinfeng Zhu, Xiamen University, China</p>	p45
15:00-15:20	<p>I Metasurface for the wavefront manipulation of THz waves and high-resolution imaging Yiming Zhu, University of Shanghai for Science and Technology, China</p>	p46
15:20-15:35	Coffee Break	
THz physics		
Presider: Xiaojun Wu , Beihang University		
15:35-16:05	<p>K Terahertz Quantum Vacuum Effects in the Ultrastrong Coupling Regime Junichiro Kono, Rice University, USA</p>	p47
16:05-16:25	<p>I Nonlinear response of multiband superconductor MgB₂ driven by tunable THz pulse Tao Dong, Peking University, China</p>	p47
16:25-16:45	<p>I Optical anisotropy and terahertz magnons in two-dimensional zigzag antiferromagnets Qi Zhang, Nanjing University, China</p>	p48
16:45-17:05	<p>I Investigation on THz Active Tunable Devices and Its Applications Lianggong Wen, Shanghai Jiao Tong University, China</p>	p48

17:05-17:35	<p>K Generation of high power terahertz radiation by electron beam-plasma interaction system Yubin Gong, University of Electronic Science and Technology of China, China</p>	p49
17:35-17:55	<p>I Terahertz Surface Plasmon Polaritons Excited by Free Electrons Min Hu, University of Electronic Science and Technology of China, China</p>	p49
17:55-18:10	<p>O Gold nanoparticle-enhanced terahertz metamaterials for highly sensitive microRNAs detection in heart failure patients based on strand displacement amplification Ke Yang; Siyi He; Xiaohong Wei; Qin Yue; Song Wu; Jie Chen; Mei Xin[*]; Jinbao Zhang[*], Department of Cardiovascular Surgery, General Hospital of Western Theater Command (Chengdu Military General Hospital), China</p>	p50
June 18		
THz device II		
Presider: Jianguang Han , Tianjin University		
09:20-09:50	<p>K High-Efficiency Terahertz Isolator and Chiral Manipulation Based on Magneto-optical Metasurface Sheng-Jiang Chang, Nankai University, China</p>	p51
09:50-10:20	<p>K Multifunction metasurface for special terahertz beam generation Yan Zhang, Capital Normal University, China</p>	p51
10:20-10:35	Coffee Break	
THz device III		
Presider: Yan Zhang , Capital Normal University		
10:35-11:05	<p>K A possible database for complete control of phase, amplitude and polarization with all-dielectric metasurface Jianguang Han, Tianjin University, China</p>	p52
11:05-11:25	<p>I Gold Nanoparticles-Toluene Mixture Solution for Terahertz Phase Shifter Tianlong Wen, University of Electronic Science and Technology of China, China</p>	p52
11:25-11:45	<p>I Research of terahertz chiral metasurfaces and its active manipulation Yuping Zhang, Shandong University of Science and Technology, China</p>	p52
11:45-12:05	<p>I Terahertz metamaterials with high quality factors Xiaoguang Zhao, Tsinghua university, China</p>	p53

THz imaging		
Presider: Juncheng Cao , Shanghai Institute of Microsystem and Information Technology, CAS		
15:05-15:25	① Nonlinear THz-Nano Metasurface Xiaojun Wu , Beihang University, China	p54
15:25-15:45	① Super-resolution Terahertz Metalenses Gang Chen , Chongqing University, China	p54
15:45-16:05	① Applications of pulsed terahertz NDT on glue line of porous ceramics based thermal protection system Lin Liu , Beijing Aerospace Institute for Metrology and Measurement Technology, China	p55
16:05-16:25	① High-Resolution Active Terahertz Imaging Feng Qi , Shenyang Institute of Automation, CAS, China	p55
16:25-16:40	① Suppressing the Trapping Process by Interfacial Charge Extraction in Antimony Selenide Heterojunctions Zeyu Zhang , Shanghai Institute of Optics and Fine Mechanics, China	p56
16:40-16:55	① Towards mJ-level ultrashort Terahertz generated by optical rectification with a compact Terawatt laser Olivier Zabiolle , Amplitude Laser, China	p56
June 19		
THz material		
Presider: Qiwu Shi , Sichuan University, China		
08:30-09:00	Ⓚ Photo-induced Ultrafast Spin Current from an Antiferromagnet Biaobing Jin , Nanjing University, China	p57
09:00-09:20	① Terahertz Radiation Generation by Efficient Spin-to-Charge Conversion in Surface States and antiferromagnetic layer Tian Jiang , National University of Defense Technology, China	p57
09:20-09:40	① Spintronic based ultrabroadband terahertz emitters: from fundamentals to applications Zuanming Jin , University of Shanghai for Science and Technology, China	p58
09:40-10:00	① Ultrafast Terahertz Emission in a van der Waals Magnet Guohong Ma , Shanghai University, China	p58

10:00-10:20	<p>① Applications of THz emission spectroscopy in condensed matter physics Xinlong Xu, Northwest University, China</p>	p59
10:20-10:35	Coffee Break	
THz material II		
Presider: Qiye Wen , University of Electronic Science and Technology of China		
10:35-10:55	<p>① Bandwidth-tunable THz absorber based on diagonally distributed double-sized VO₂ disks Jiran Liang, Tianjin University, China</p>	p60
10:55-11:15	<p>① 2D Materials Based Broadband Terahertz Absorber Qiye Wen, University of Electronic Science and Technology of China, China</p>	p60
11:15-11:35	<p>① Investigation on flexible materials for dynamic control of terahertz wave transmission Qiwu Shi, Sichuan University, China</p>	p61
11:35-11:55	<p>① Singleshot Ultrafast and Terahertz Spectroscopy using Echelon Mirrors and Beyond Katayama Ikufumi, Yokohama National University, Japan</p>	p61
11:55-12:15	<p>① Continuous time-resolved measurements of the electrical conductivity of non-equilibrium warm dense gold using multi-cycle terahertz pulses Zhijiang Chen, SLAC National Accelerator Laboratory, USA</p>	p62
14:00-17:00	Workshop on the NSAF projects : XGIII Laser Facility	

► Ultrafast phenomena

Location: 2F, Global Center Grand Ballroom 1		
June 17		
HHG and attosecond laser pulse		
Presider: Jian Wu, East China Normal University		
13:30-14:00	K Attosecond optoelectronics in the strong laser field Peixiang Lu , Huazhong University of Science and Technology, China	p63
14:00-14:20	I Intense attosecond vector beams from relativistic plasma mirrors ZiYu Chen , Sichuan University, China	p63
14:20-14:40	I The studies of high order harmonic generation from relativistic plasma mirrors at SJTU Feng Liu , Shanghai Jiao Tong University, China	p64
14:40-15:00	I Intense attosecond pulses with angular momentum from relativistic laser-plasmas Jingwei Wang , Shanghai Institute of Optics and Fine Mechanics, CAS, China	p64
15:00-15:15	O Attosecond interferometry of CO ₂ molecules in two-color strong laser field Yalei Zhu , Jing Zhao, Zengxiu Zhao, National University of Defense Technology, China	p65
15:15-15:30	O Coherent control of ultrafast XUV transient absorption Peng Peng ^{1*} , Yonghao Mi ² , Marianna Lytova ² , Mathew Britton ² , Xiaoyan Ding ² , Andrei Naumov ² , Paul Corkum ² , David Villeneuve ² 1.ShanghaiTech University, China; 2.University of Ottawa, Canada	p65
15:30-15:45	Coffee Break	
Ultrafast laser control and THz generation		
Presider: Jinping Yao, Shanghai Institute of Optics and Fine Mechanics, CAS		
15:45-16:15	K Pre-chirp managed ultrafast fiber amplifiers towards GW peak power Guoqing Chang , Institute of Physics, CAS, China	p66
16:15-16:35	I Ultrafast THz radiation confinement Olga Kosareva , Moscow State University, Russia	p66
16:35-16:55	I Bessel terahertz radiation from plasma filaments Yanping Chen , Shanghai Jiao Tong University, China	p67
16:55-17:15	I Strong THz fields from mid-IR and high repetition rate lasers Stelios Tzortzakis , University of Crete and FORTH, Greece	p67

17:15-17:35	<p>I Femtosecond laser filamentation for guiding discharges Tiejun Wang, Shanghai Institute of Optics and Fine Mechanics, CAS, China</p>	p67
17:35-17:50	<p>O Rotational dynamics of water in hydration shell of amphiphilic hyperbranched polyglycerol Liyuan Liu^{1*}, Jiaqi Zhang¹, Jianguang Han², 1.Tianjin University, China; 2.Tianjin Univeristy, China</p>	p68
June 18		
Ultrafast spectroscopy and imaging		
President: Peixiang Lu , Huazhong University of Science and Technology		
09:20-09:50	<p>K High-resolution X-ray imaging optics for ultrafast plasma diagnostics Zhanshan Wang, Tongji University, China</p>	p69
09:50-10:20	<p>K Super-radiator See Leang Chin, Laval University, Canada</p>	p69
10:20-10:35	Coffee Break	
President: Zhanshan Wang , Tongji University		
10:35-10:55	<p>I Multi-electron dynamics during collision Chunmei Zhang, University of Ottawa, Canada</p>	p70
10:55-11:15	<p>I Quantum Dynamics of Atomic Rydberg Excitation in Intense Laser Field Jing Chen, Institute of Applied Physics and Computational Mathematics, China</p>	p70
11:15-11:35	<p>I An Ultrafast stopwatch to clock molecular dynamics Jian Wu, East China Normal University, China</p>	p71
11:35-11:55	<p>I Diagnosis of ICF spherically symmetric implosion with X-ray imaging at ShenGuang Zhurong Cao, Laser Fusion Research Center, China Academy of Engineering Physics, China</p>	p71
11:55-12:10	<p>O Dispersion influence on temporal properties of ultrafast spontaneous Raman scattering in optical fibers Nannan Liu^{1,2*}, Zhengming Dou¹, Yuhong Liu², Jiamin Li², Xiaoying Li^{2*}, 1. Zhengzhou University of Light Industry, Henan Key Laboratory of Magneto-electronic Information Functional Materials, China; 2.Tianjin University, Key Laboratory of Optoelectronics Information Technology of Ministry of Education, China</p>	p72
Mini-symposium on air lasing and filamentation		
President: Yi Liu , University of Shanghai for Science and Technology		
15:05-15:35	<p>K Filament induced lasing without population inversion in N₂⁺ André Mysyrowicz, ENSTA-Ecole Polytechnique, France</p>	p73

15:35-15:55	① Air Lasing: current status and future opportunities Huailiang Xu , Jilin University, China	p73
15:55-16:15	① Inteferece in air lasing Hongbing Jiang , Peking University, China	p73
16:15-16:35	① The influence of ionization and coupling processes on the generation of air lasing Hongqiang Xie , National University of Defense Technology & East China University of Technology, China	p74
16:35-16:55	① Generation of wavelength-switchable DUV/UUV sources in strong-field-ionized molecules Jinping Yao , Shanghai Institute of Optics and Fine Mechanics, CAS, China	p74
16:55-17:15	① Studies of quantum coherence in optical systems Luqi Yuan , Shanghai Jiao Tong University, China	p75
June 19		
Ultrafast spectroscopy and advanced material		
Presider: Guoqing Chang , Institute of Physics, CAS		
09:15-09:35	① Ultrafast Spectroscopy in Optical Near-field Jianing Chen , Institute of Physics, CAS, China	p76
09:35-09:55	① Infrared nanoimaging of lattice reconstruction and domain wall states in twisted bilayer graphene Zhiqiang Li , Sichuan University, China	p76
09:55-10:15	① Unraveling the Hybridization Process in a Quantum Critical Ferromagnet by Ultrafast Optical Spectroscopy Jingbo Qi , University of Electronic Science and Technology of China, China	p77
10:15-10:30	① Scattering of continuous-wave laser by femtosecond laser-induced grating in air Yulan Wu ¹ , Pengji Ding ^{1*} , Mingyang Zhuzou ¹ , Tongxun Zhao ¹ , Jijin Wang ¹ , Zuoye Liu ¹ , Bitao Hu ¹ , ¹ . School of Nuclear Science and Technology, Lanzhou University	p77
10:30-10:45	Coffee Break	
Presider: Jingbo Qi , University of Electronic Science and Technology of China		
10:45-11:05	① Design, preparation and investigation of ultrafast and high-spatial-resolution scintillation screens with nanorod array structure Zhi-Jun Zhang , Shanghai University, China	p77

11:05-11:25	<p>① Effect of Molecular Orbital Angular Momentum on Spatial Distribution of Fluorescence during Femtosecond Laser Filamentation in Air Lu Sun, Nankai University, China</p>	p78
11:25-11:45	<p>① Coherent control of the multiple wavelength lasing of N_2^+: coherence transfer and beyond Yi Liu, University of Shanghai for Science and Technology, China</p>	p78
11:45-12:00	<p>① Temperature-dependent terahertz dielectric modulation of fluoride Magneto-optical crystals Jiamin Shang¹, Huifang Li^{1,2}, Zhonghan Zhang¹, Liangbi Su¹, Zuanming Jin², Anhua Wu¹, 1. State Key Laboratory of High Performance Ceramics and Superfine Microstructure, Shanghai Institute of Ceramics, CAS, China 2. University of Shanghai for Science and Technology, China</p>	p79
14:00-17:30	<p>Workshop on the NSAF projects : Science and Technology on CTFEL facility</p>	

► **Workshop on the NSAF projects :
Science and Technology on CTFEL Facility**

Location: 2F, Global Center Grand Ballroom 1		
Time	Program	Speaker
Presider: Dai Wu , Institute of Applied Electronics, CAEP		
14:00-14:15	Introduction of the NSAF Project (Online)	Na Wang , CAEP
14:15-14:30	The status and upgrade plan of CTFEL high average power THz source	Ku Zhou Institute of Applied Electronics, CAEP
14:30-14:45	Preliminary study of non-thermal tumor ablation method based on terahertz free electron laser	Jun Zhou University of Electronic science and Technology of China
14:45-15:00	Spectral control of terahertz radiation from two-color-laser-induced plasmas	Xiaoyu Peng Chongqing Institute of Green and Intelligent Technology, CAS
15:00-15:15	Effects of terahertz irradiation on vesicle transport in neurons	Xiaoyun Lu Xi'an Jiaotong University
15:15-15:30	Electronic relaxation time in high mobility GaSb measured via picosecond THz pump and probe realized from CTFEL THz source	Wen Xu Institute of Solid State Physics, CAS
15:30-16:00	Coffee Break	
Presider: Ming Li , Institute of Applied Electronics, CAEP		
16:00-16:15	Controlling polarization state of THz wave by metamaterials	Yongzhe Zhang Beijing University of Technology
16:15-16:30	Theoretical and experimental studies of ice melting using Terahertz radiation	Peng Zhang Shandong University
16:30-16:45	High resolution terahertz spectrometer based on CTFEL	Shaohu Li Southwest University of Science and Technology
16:45-17:00	Coherent terahertz emission using electron beams to drive metasurfaces	Weihao Liu Nanjing University of Aeronautics and Astronautics
17:00-17:15	Design of tunable dual-band absorber based on phase transition of VO ₂ in Terahertz Metasurface	Hai Liu China University of Mining and Technology

► **Workshop on the NSAF projects :
Science and Technology about the XGIII laser facility Programme**

Location: 2F, Honghu Room (鸿鹄厅)		
Jun.19, 14:00~17:30		
Time	Program	Speaker
Presider: Yuchi Wu , CAEP		
14:00-14:05	I. Opening	Department of Science and Technology, CAEP
14:05-14:25	II. Introduction of the NSAF project	Na Wang , CAEP
14:25-15:30	III. Progress on the NSAF 2019	
Presider: Weimin Zhou , CAEP		
14:25-14:40	Fusion reaction with plasma environment.	Zhe Zhang Institute of Physics, CAS
14:40-14:55	Experimental study of penumbra microjet and Kelvin Helmholtz instability in sunspot.	Jiayong Zhong Beijing Normal University
14:55-15:10	Dynamics and ion acceleration of ultraintense laser driven near-critical-density plasma.	Xiaohui Yuan Shanghai Jiao Tong University
15:10-15:25	Temporal contrast improvement and reduction of femtosecond laser pulses.	Xiong Shen Shanghai Institute of Optics and Fine Mechanics, CAS
15:25-15:40	Research on the influence mechanism of localized doping on cleavage cracking and optical parametric amplification of YCOB crystal.	Xiaoniu Tu Shanghai Institute of Ceramics, CAS
15:40-15:55	Coffee Break	
Presider: Yuqiu Gu , CAEP		
15:55-17:30	VI. Project launch of the NSAF 2020 (Invited only)	