A. Conference Schedule

May 6th	8:30-18:00	Satellite workshop on fluid interface instability at extreme			
	15:00-17:30	Satellite workshop on laser and plasma instabilities			
	14:00-20:00	Registration			
	18:00-20:00	Welcome Reception			
	19:00-21:00	MRE Editorial Board Meeting			
May 7th	8:10-8:20	Opening Ceremony			
	8:20-12:00	Plenary Talk			
	14:00-18:10	Fundamental physics at extremes Oral Session I-1	Pulsed power and application Oral Session II-1	Laser and particle beam fusion, magnetic driven fusion Oral Session III-1	Laser Plasma Interaction Oral Session IV-1
		Coffee Break			
		Fundamental physics at extremes Oral Session I-2	Pulsed power and application Oral Session II-2	Laser and particle beam fusion, magnetic driven fusion Oral Session III-2	Laser Plasma Interaction Oral Session IV-2
May 8th	8:00-12:00	Plenary Talk			
	14:00-18:10	Fundamental physics at extremes Oral Session I-3	Pulsed power and application Oral Session II-3	Laser and particle beam fusion, magnetic driven fusion Oral Session III-3	Laser Plasma Interaction Oral Session IV-3
		Coffee Break			

<table>
<tr><td></td><td></td><td>Fundamental physics at extremes
Oral Session I-4</td><td>Pulsed power and application Oral Session II-4</td><td>Laser and particle beam fusion, magnetic driven fusion
Oral Session III-4</td><td>Laser Plasma Interaction
Oral Session IV-4</td></tr>
<tr><td rowspan="5">May 9th</td><td>8:00-12:00</td><td colspan="4">Plenary Talk</td></tr>
<tr><td rowspan="3">14:00-17:45</td><td>Fundamental physics at extremes
Oral Session I-5</td><td>Discharge, laser and diagnostics Oral Session II-5</td><td>Laser and particle beam fusion, magnetic driven fusion
Oral Session III-5</td><td>Laser Plasma Interaction
Oral Session IV-5</td></tr>
<tr><td colspan="4">Coffee Break</td></tr>
<tr><td colspan="2">Satellite workshop on advanced diagnostics technique for HEDP</td><td colspan="2">Satellite workshop on laser fusion and science</td></tr>
<tr><td>19:00-21:00</td><td colspan="4">Poster Session</td></tr>
<tr><td rowspan="5">May 10th</td><td>8:00-12:00</td><td colspan="4">Plenary Talk</td></tr>
<tr><td rowspan="3">14:00-18:00</td><td>Fundamental physics at extremes
Oral Session I-6</td><td rowspan="3"></td><td>Laser and particle beam fusion, magnetic driven fusion
Oral Session III-6</td><td>Laser Plasma Interaction
Oral Session IV-6</td></tr>
<tr><td>Coffee Break</td><td>Coffee Break</td><td>Coffee Break</td></tr>
<tr><td>Fundamental physics at extremes
Oral Session I-7</td><td>Laser and particle beam fusion, magnetic driven fusion
Oral Session III-7</td><td>Laser Plasma Interaction
Oral Session IV-7</td></tr>
<tr><td>18:30-20:30</td><td colspan="4">Closing Ceremony, Banquet</td></tr>
<tr><td>May 11th</td><td>8:30-18:30</td><td colspan="4">Social Activities</td></tr>
</table>

B. List of Plenary talks, Invited talks, Oral talks and Posters

Plenary Talks

Monday May 7th					
	8:10~8:20	Opening ceremony			**Chair: Shaoen Jiang**
1	8:20~9:05	**Shaoping Zhu**	Science and Technology on Plasma Physics Laboratory, China	**Plenary Talk:** Status and Progress of Science Challenge Project	**Chair: Weiyan Zhang**
2	9:05~9:50	**Kazuo A. Tanaka**	Extreme Light Infrastructure-NP, Romania	**Plenary Talk:** ELI-NP Status and Plan	
	9:50~10:30	Group photo & Coffee Break			
3	10:30~11:15	**Ho-Kwang Mao**	Center for High Pressure Science and Technology Advanced Research, China	**Plenary Talk:** Probing Dense Matter with Extreme Radiations	**Chair: Kazuo A. Tanaka**
4	11:15~12:00	**Victor Malka**	Centre National de Larecherche Scientifique, France	**Plenary Talk:** Manipulating relativistic electrons with lasers	
Tuesday May 8th					
5	8:00~8:45	**Michael Campbell**	Laboratory for Laser Energetics, University of Rochester, USA	**Plenary Talk:** Laser-Plasma Interaction Physics and Direct Drive: Challenges, and Path Forward	**Chair: Jianjun Deng**

6	8:45~9:30	**Wanguo Zheng**	Laser Fusion Research Center, CAEP, China	**Plenary Talk:** Status of SG-III Laser Facility for Inertial Confinement Fusion	
7	9:30~10:15	**Thomas Mattsson**	Sandia National Laboratory, USA	**Plenary Talk:** The Z Fundamental Science Program	
	10:15~10:30	Coffee Break			
8	10:30~11:15	**Weiping Xie**	Institute of Fluid Physics, CAEP, China	**Plenary Talk:** Electromagnetically Driven Research in IFP-Progresses and Perspectives	**Chair: Jeremy Chittenden**
9	11:15~12:00	**Sergey Lebedev**	Imperial College London, UK	**Plenary Talk:** Z-pinch Driven Experiments with Supersonic Magnetized Plasma Flows	
Wednesday May 9th					
10	8:00~8:45	**Zhengming Sheng**	Shanghai Jiao Tong University, China	**Plenary Talk:** Plasma Photonics for Applications from Laser Particle Acceleration to Laser Fusion	**Chair: Dieter H. H. Hoffmann**
	8:45~9:30	**Vladimir Fortov**	Joint Institute for High Temperature, Russian Academy of Science, Russia	**Plenary Talk:** Quasi-adiabatic Multi-shock Compression of Strongly Coupled Plasmas: Nonideality and Degeneracy	
12	9:30~10:15	**Hongwei Zhao**	Institute of Mordern Physics, CAS, China	**Plenary Talk:** Intense Heavy-ion Beam for High Energy Density Physics:Opportunities and Challenges	

	10:15~10:30	Coffee Break			
13	10:30~11:15	**Jing Chen**	Institute of Applied Physics and Computational Mathematics, China	**Plenary Talk:** Quantum Interference Effect in Atomic Double Ionization in Intense Laser Field	**Chair: Vladimir Fortov**
14	11:15~12:00	**Nicolas Sisourat**	Srobonne Université, France	**Plenary Talk:** Superexchange Interatomic Coulombic Decay	
Thursday May 10th					
15	8:30~9:15	**Dimitri Batani**	Univeristy of Bordeaux, France	**Plenary Talk:** Physics of Shock Ignition Approach to ICF	**Chair: Zhengming Sheng**
16	9:15~10:00	**Qian Yue**	Tsinghua University, China	**Plenary Talk:** Recent Status and Prospects of CJPL and Dark Matter Experiments in China	
	10:00~10:15	Coffee Break			
17	10:15~11:00	**Praveen Ramaprabhu**	The University of North Carolina at Charlotte, USA	**Plenary Talk:** The Lives and Times of Ejecta from Shocked Metals	**Chair: Michael Campbell**
18	11:00~11:45	**Ke Lan**	Institute of Applied Physics and Computational Mathematics, China	**Plenary Talk:** Theoretical Study and Octahedral Spherical Hohlraum Experimental Campaign on the SG-III	

Fundamental physics at extremes

Monday May 7th					
I-1: Fundamental physics at extremes	14:00-14:25	Masakatsu Murakami	Osaka University, Japan	**invited talk:** Generation of Ultrahigh Field by Micro-bubble Coulomb Implosion	**Chair: Sergey Rykovanov**
	14:25-14:50	Haifeng Liu (刘海风)	Institute of Applied Physics and Computational Mathematics, China	**invited talk:** Progress on the Wide Range Equation of State of Hydrogen and Its Isotopes	
	14:50-15:05	Yongli Ping (平永利)	Beijing Normal University, China	Asymmetric Magnetic Reconnection Driven by Two Femtosecond Lasers	
	15:05-15:20	Yong Hou (侯永)	National University of Defense Technology, China	Multi-charge-state Molecular Dynamics and Self-diffusion Coefficient in the Warm Dense Matter Regime	
	15:20-15:35	Jiangtao Li (李江涛)	National Key Laboratory of Shock Wave and Detonation Physics, Institute of Fluid Physics, CAEP, China	The Equation of State of Nitrogen in the Dissociation Regime	
	15:35-15:50	Xiaofeng Li (李晓鋒)	Shanghai Jiao Tong University, China	A Nano-structured Device toward High-contrast Intense Short-pulse Laser	
	15:50-16:10	**Coffee Break**			
I-2: Fundamental physics at extremes	16:10-16:35	Xiaochuan Pan	University of Chicago, USA	**invited talk:** An Optimization-based Method for Solving Non-linear Data Model in Multi-energy CT	**Chair: Haifeng Liu（刘海风）**
	16:35-17:00	Sergey Rykovanov	Helmholtz Institute Jena, Germany	**invited talk:** Tunable Polarization X- and Gamma-ray Source Based on a Plasma Undulator	
	17:00-17:15	Jianxing Li (栗建兴)	Xi'an Jiaotong University, China	Single-shot Carrier-envelope Phase Determination of Long Superintense Laser Pulses	
	17:15-17:30	Bo Zhang (张博)	Science and Technology on Plasma Physics Laboratory, China	Multi-photon effects of nonlinear Compton scattering in ultra intense fields	

	17:30-17:45	Bo Han (韩波)	Beijing Normal University, China	Contributions of Atomic Processes to the Emission of He-alpha Triplet	
	17:45-18:00	Mu Li (李牧)	Institute of Fluid Physics, CAEP, China	Continuous Sound Velocity Measurements along the Shock Hugoniot of Quartz	

Tuesday May 8th					
I-3: Fundamental physics at extremes	14:00-14:25	Ravindra Samtaney	King Abdullah University of Science and Technology	**invited talk:** Instability of a Non-thermal Interface in Converging Geometry with a Two-fluid Plasma Model	**Chair: Per Jönsson**
	14:25-14:50	Zhi Zeng (曾雉)	Institute of Solid Physics, CAS, China	**invited talk:** Theoretical Investigation of Iron Spin Crossover Pressure in Fe-bearing MgO	
	14:50-15:05	Jun Li (李俊)	INational Key Laboratory of Shock Wave and Detonation Physics, nstitute of Fluid Physics, CAEP, China	Investigation on Some Key Problems of the Dynamic-/static-melting Curve Discrepancy in the VB Group Elements	
	15:05-15:20	Qian Ma	National University of Defense Technology, China	Directly Calculated Electrical Conductivity of Hot Dense Hydrogen from Molecular Dynamics Simulation beyond Kubo-Greenwood Formula	
	15:20-15:35	Genbai Chu (储根柏)	Science and Technology on Plasma Physics Laboratory, China	High Energy X-ray Radiography of Laser Shock Metal Dynamic Fragmentation Using High Intensity Short Pulse Laser	
	15:35-15:50	Zhiyu He(贺芝宇)	Shanghai Institute of Laser Plasma, CAEP, China	Study on Shock Temperature Measurements of Laser-driven Materials	
	15:50-16:10	**Coffee Break**			
I-4: Fundamental physics at extremes	16:10-16:35	Per Jönsson	Malmö University, Sweden	**invited talk:** Fully Relativistic Atomic Structure Calculations with Applications to Nuclear- and Astrophysics	**Chair: Ravindra Samtaney**
	16:35-17:00	Huayun Geng (耿华运)	Institute of Fluid Physics, CAEP, China	**invited talk:** Anomalous Mechanics in Simple Group VB Metals at High Pressures and Temperatures	

	17:00-17:15	Meng Lv (吕蒙)	Sichuan University, China	Intensity Induced X-ray Transparency in Aluminum and Silicon	
	17:15-17:30	Xing Liu(刘兴)	Peking University, China	Ab inito Molecular Dynamics for Hydrocarbon up to 10 million Kelvin	
	17:30-17:45	Yindong Huang	National Institute of Defense Technology Innovation, China	Air-Plasma Characterization at THz Frequency Range	
	17:45-18:00	Guicun Ma	Institute of Applied Physics and Computational Mathematics, China	The High Pressure Equation of State of Polystyrene	

Wednesday May 9th					
I-5: Fundamental physics at extremes	14:00-14:25	Qiang Zhang	City University of Hong Kong, China	**invited talk:** Shock Induced Unstable Interfacial Mixing in Compressible Fluids	**Chair: Vladimir Tikhonchuk**
	14:25-14:50	Hyun-Kyung Chung	Gwangju Institute of Science and Technology, Korea	**invited talk:** Atomic processes in dense plasmas created by X-ray Free Electron Lasers	
	14:50-15:05	Yuanjie Huang (黄元杰)	Institute of Fluid Physics, CAEP, China	Shock Waves Preparing Nanocrystalline Bismuth and c-BN Nanoparticles	
	15:05-15:20	Hua Shu (舒桦)	Shanghai Institute of Laser Plasma, CAEP, China	Hugoniot Measurement on Statically Pre-Compressed Water	
	15:20-15:35	Ziyu Chen(陈自宇)	Institute of Fluid Physics, CAEP, China	Spectral Control of High Harmonics From Relativistic Plasmas Using Bicircular Fields	

Thursday May 10th					
I-6: Fundamental physics at extremes	14:00-14:25	Predrag Krstic	Stony Brook University, USA	**invited talk:** Synthesis of Boron-Nitride Nano-Structures in High-Temperature, High-Pressure Plasmas	**Chair: Qiang Zhang**
	14:25-14:50	Martin Schanz	Helmholtzzentrum GSI-Darmstadt, Germany	**invited talk:** PRIOR-II - A new Proton Radiography Facility for FAIR	

	14:50-15:15	DuckYoung Kim	Center for High Pressure Science and Technology Advanced Research, China	**invited talk:** Novel Oxidation State of Iron, Peroxide FeO_2: Understanding Physical Properties and Implication to Geoscience	
	15:15-15:30	Chang Gao(高畅)	Peking University, China	Validity Boundary of Orbital-free Molecular Dynamics Method	
	15:30-15:45	Yang Zhao (赵阳)	Laser Fusion Research Center, CAEP, China	The Experimental Study of Thermal Relaxation in Shocked Aluminum by K-Shell Photoabsorption Edge	
	15:45-16:00	Chengjun Li (李成军)	National Key Laboratory of Shock Wave and Detonation Physics, Institute of Fluid Physics, CAEP, China	Refractive Index Measurements of Atomic, Molecular and Mixed Gases at High Pressure up to 60 MPa	
	16:00-16:15	**Coffee Break**			
I-7: Fundamental physics at extremes	16:15-16:40	Sergey A. Pikuz	Joint Institute for High Temperature, Russia	**invited talk:** Applications of High-resolution X-ray Spectroscopy	**Chair: Predrag Krstic**
	16:40-17:05	Xiuguang Huang(黄秀光)	Shanghai Institute of Laser Plasma, CAEP, China	**invited talk:** Absolute Equation of State Measurement of Aluminum by Laser Driving Two-stage Flyer Plate Method	
	17:05-17:20	Zhiguo Li	Institute of Fluid Physics, CAEP, China	Multi-shock Compressions of Dense Cryogenic Hydrogen-helium Mixtures up to 60 GPa through the Molecular-to-atomic Transition Regime	
	17:20-17:35	Baoxian Tian (田宝贤)	China Institute of Atomic Energy Science, China	Shock Waves of the High Velocity Flyer Driven by Long-Pulse Laser	
	17:35-17:50	Wei Hong (洪伟)	Science and Technology on Plasma Physics Laboratory, China	Yield Enhancement of Short-Pulse-Laser Driven Neutron Source by Laser Cleaning Technique	
	17:50-18:05	Guo Jia (贾果)	Shanghai Institute of Laser Plasma, CAEP, China	High Precision Equation of State of Iron at Pressure up to 2.4 TPa by Laser-Driven Shocks	

Poster

Murakami Masakatsu (村上匡且) 井上彰人	Osaka University, Japan	Laser – Driven Proton Acceleration using Nano Spherical Cannon
Murakami Masakatsu (村上匡且) 井上彰人	Osaka University, Japan	Development of MD-PIC Hybrid Code for Coulomb Implosion
Jiayong Zhong (仲佳勇)	Beijing Normal University, China	Laser driven magnetic reconnection in low beta plasmas
Junling Wang	Beijing Normal University, China	Electron-induced degradation of J-V characteristics of GaInP top cell and GaAs middle cell by electroluminescence measurements
Kai Wang	Hebei University, China	Accurate calculations of energy structures and radiation rates of L-shell ions of astrophysics interest
Tao Wang	The PLA Information Engineering University, China	TDOA Pattern Matching Localization Method
Jian Gao (高健)	Shanghai Jiao Tong University, China	Influence of plasma density gradient on high-order harmonic generation from relativistic plasma surfaces
Shenguang Liu (刘圣广)	Shanghai Jiao Tong University, China	Demonstration of the EM wave measurement in the laser plasma probed by a single electron bunch
Xiangdong Li (李向东)	Shanghai Institute of Optics and Fine Mechanics, CAS, China	An improved ion-sphere model for the ionization of ion embedded in dense plasma
Tingxian Zhang	Institute of physics and mathematics, CAS, China	Theoretical study of the oscillator strengths of the transitions between the $3s^{21}S_0$, 3s3p3Po0, 1, 21Po1states for Mg-like ions*
Changbing Lu (鲁昌兵)	China Institute of Atomic Energy Science, China	study on the algorithm of 14MeV fast neutron radiography
Zhiwei Lin	Laser Fusion Research Center, CAEP, China	The point explosion with radiation transport
Bo Qing (青波)	Laser Fusion Research Center, CAEP, China	X-ray Spectral Measurements of a Highly Ionized Non-Local-Thermodynamic-Equilibrium Laser-Produced Au Plasma
Sanwei Li (李三伟)	Laser Fusion Research Center, CAEP, China	Study on the movement of gold bubble plasma in hohlraum

Shukai He (贺书凯)	Laser Fusion Research Center, CAEP, China	Charged paricle activation analysis for characterization of laser-accelerated protons
Shaoyi Wang (王少义)	Laser Fusion Research Center, CAEP, China	Attosecond X-ray generation driven by the relativistic laser pulse based on the semi-analytical selfconsistent theory
Wei Fan (范伟)	Laser Fusion Research Center, CAEP, China	Experiment research on dynamic response of Copper Film at high strain rate by chirped pulse spectral interferometry
Fang Tan (谭放)	Laser Fusion Research Center, CAEP, China	Compact all-optical Thomson scattering source based on shock wave injection and cascaded laser wakefield accelerator
Gang Xiong (熊刚)	Laser Fusion Research Center, CAEP, China	Development of multi-keV X-ray sources at the Shenguang-III prototype facility
Jing Wang (王静)	Laser Fusion Research Center, CAEP, China	Detection efficiency calibraion of CsI(TI) scintillator with 2000eV-2800eV soft X-Ray energy emitting
Bin Duan (段斌)	Institute of Applied Physics and Computational Mathematics, China	The Calculations of the profile of β line in argon Ar XVII ions
Fuyang Zhou (周福阳)	Institute of Applied Physics and Computational Mathematics, China	Many-particle correlation effects on the electron screened potential of non-ideal plasmas
Junwen Gao (高俊文)	Institute of Applied Physics and Computational Mathematics, China	State-selective electron transfer in low and intermediate energy He^{+} + He collisions
Hao Cheng	Institute of Applied Physics and Computational Mathematics, China	Enhancement of radiation pressure acceleration with a strong magnetic field
Lei Liu (刘蕾)	Institute of Fluid Physics, CAEP, China	Quantum molecular dynamics study on the proton exchange, ionic structures, and transport properties of warm dense hydrogen-deuterium mixtures
Bozhong Tan (谭伯仲)	Institute of Fluid Physics, CAEP, China	Study on Si K-edge XANES experiment based on laser-plasma M-band radiation source
Liang Sun (孙亮)	Laser Fusion Research Center, CAEP, China	The simulation study of laser shocked plastic by x-ray radiography
Fan Zhang (张帆)	Shanghai Institute of Laser Plasma, CAEP, China	The in-situ diagnosis of shock-compressed iron

Pulsed power and application

Monday May 7th					
II-1 Pulsed power and application	14:00-14:25	Bucur Novac	Loughborough University, UK	invited talk: Fast Filamentary Numerical Modelling Applied to High-Current, Pulsed Power Applications	Chair: Meng Wang（王勐）
	14:25-14:50	Xinxin Wang（王新新）	Tsinghua University, China	invited talk: Research on Electrical Explosion of Wire in Tsinghua University	
	14:50-15:05	Liang Sheng（盛亮）	Northwest Institute of Nuclear Technology, China	Experimental Study on Electrical Exploding of Wire and Film Related to Z Pinch at NINT	
	15:05-15:20	Ping Wu (吴平)	Tsinghua University, China	The Effect Experiment of CCD Imaging System Against High Power Electromagentic Pulse	
	15:20-15:35	Mo Li（李沫）	Northwest Institute of Nuclear Technology, China	Study of Tungsten Wire Explosion Symmetry on Negative Discharge Facility	
	15:35-15:50	Lifei Hou（侯立飞)	Laser Fusion Research Center, CAEP, China	A Novel CVD Diamond X-ray Detector	
	15:50-16:10	**Coffee Break**			
II-2 Pulsed power and application	16:10-16:35	Kyle Peterson	Sandia National Laboratories, USA	**invited talk:** Progress and Plans in Magnetized Liner Inertial Laser Fusion Research	Chair: Sergey Lebedev
	16:35-17:00	Delong Xiao	Institute of Applied Physics and Computational Mathematics, China	**invited talk:** Radiation Transfer of Cylindrical Z-pinch Dynamic Hohlraum and Its Interaction with a Spherical Target	
	17:00-17:15	Shaolong Zhang(张绍龙)	Institute of Fluid Physics, CAEP, China	Preliminary Result of Viscous Measurement of Tin on the PTS Facility	
	17:15-17:30	Liuxia Li	Tsinghua University, China	First Observation of Shock Wave with Piezoelectric Gauges by Wire Melting in Underwater Electrical Wire Explosion	
	17:30-17:45	Yuji Wu (吴宇际)	Laser Fusion Research Center, CAEP, China	Research on a Wide-Angle Diagnostic Method for Shock Wave Velocity at SG-III Prototype Facility	

Tuesday May 8th					
II-3 Pulsed power and application	14:00-14:25	Edl Schamiloglu	University of New Mexico, USA	**invited talk:** HPM Sources: Magnetrons and Metamaterial Slow Wave Structures - More in Common Than Not	Chair: Huichun Wu（武慧春）
	14:25-14:50	Peitian Cong（丛培天）	Northwest Institute of Nuclear Technology, China	**invited talk:**Life Time of the LTD Gas Switch Developed by NINT	
	14:50-15:05	Yunsheng Jiang(姜云升)	Tsinghua University, China	Measurement of EMP Environment Inside Target Chamber of SG-Ⅲ	
	15:05-15:20	Bing Teng（滕冰）	Qingdao University, China	Study on Organic Nonlinear Optical Crystal DAST and Its Application in Teraherz Generation	
	15:20-15:35	Wei Yang(杨薇)	Institute of Applied Physics and Computational Mathematics, China	Spatial and Temporal Characteristics of Focused Microwave Beam Discharge in Nitrogen	
	15:35-15:50	Longfei Niu (牛龙飞)	Laser Fusion Research Center, CAEP, China	Surface Cleanliness Improvements Based on Contamination Inspection and Removal Methods in SG-Ⅲ High Power Laser Facility	
	15:50-16:10	**Coffee Break**			
II-4 Pulsed power and application	16:10-16:35	Victor F. Tarasenko	Institute of High Current Electronics, Russia	**invited talk:**Spectral and Amplitude-time Characteristics of Crystals Excited by a Runaway Electron Beam	Chair: Linwen Zhang（章林文）
	16:35-17:00	Meng Wang（王勐）	Institute of Fluid Physics, CAEP, China	**invited talk:**A Novel Rep-Rate LTD	
	17:00-17:15	Fengju Sun（孙凤举）	Northwest Institute of Nuclear Technology, China	Conception Design of 30 MA Fast Linear Transformer Driver Based on Sharing Shell and Stage-Triggering in Sequence	
	17:15-17:30	Hanbing Jin (金晗冰)	Tsinghua University, China	Study of Electromagnetic Pulse Generation at High Power Laser Facilities	
	17:30-17:45	Guiling Wang(王	Institute of Fluid Physics, CAEP, China	Current design and pulse shaping techniques on PTS facility	

		贵林)			
	17:45-18:00	Zhiqian Xu(徐志谦)	Tsinghua University, China	Theoretical and Experimental Evaluation of Cable SGEMP Response in the SG-III Laser Facility	

Wednesday May 9th					
II-5 Discharge, laser and diagnostics	14:00-14:25	Huichun Wu（武慧春）	Zhejiang University, China	**invited talk:** Generation of Gigawatt Attosecond Pulses from Relativistic Electron Sheets	Chair: Peitian Cong（丛培天）
	14:25-14:50	Tatiana Pikuz	Osaka University, Japan	**invited talk:**Development of X-ray Phase Contrast Imaging Method for Investigation of Rayleigh-Taylor Instabilities in the Context of Laboratory Astrophysics	
	14:50-15:05	Zhaoyun Zong (宗兆玉)	Laser Fusion Research Center, CAEP, China	Research on Spectral Failsafe System of High Power Laser Using Dual Fiber Bragg Gratings	
	15:05-15:20	Kai Deng(邓锴)	Tsinghua University, China	Development and Test of a 32keV X-ray Talbot-Lau Interferometer	
	15:20-15:35	Fang Wang (王芳)	Laser Fusion Research Center, CAEP, China	Fifth Harmonic Generation of Nd:glass Lasers in ADP Crystals	
	15:35-15:50	Deyan Zhu (朱德燕)	Laser Fusion Research Center, CAEP, China	Optimized Design of Separated Final Optics Assembly	

Poster

Zhanchang Huang	Institute of Nuclear Physics and Chemistry, CAEP, China	Ultraviolet frame camera diagnosis in foil liner implosion experiments
Yaojun Li (李曜均)	Shanghai Jiao Tong University, China	Characterisation of plastic scintillators for detection of laser-accelerated protons
Jihu Wang (王继虎)	Institute for Aeronautical Meteorology and nuclear radiation, China	Measurement of Pulsed X-Ray Energy Spectrum Based on Transmission Measurements
Naicheng Lv	Tsinghua University, China	Effect of Radial Electric Field on Electrical Explosion of Wires in Vacuum

Han Gao (高涵)	Qingdao University, China	The effect of growth temperature on the homogeneity of DKDP crystal
Weihao Tie (铁维昊)	Tsinghua University, China	Numerical Analysis of Nonlinear Inductor Effect on Modulated Characteristics of Gyro-magnetic Nonlinear Transmission Line
Shuchao Duan	Institute of Fluid Physics, CAEP, China	Generating of a rotating drive magnetic field for the alternant Theta-Z pinch Liner Inertial Fusion concept
Pingquan Fan (范全平)	Laser Fusion Research Center, CAEP, China	The realization of long focal depth with a linear varied-area zone plate
Yapeng Fu	The PLA Information Engineering University, China	Research on Resistance Matching Method to Reduce the Transient Grounding Resistance of Vertical Grounding Rod
Jingming Gao (高景明)	National University of Defense Technology, China	Circuit simulation of synchronization of double magnetic pulse compression modules
Yi Chen (谌怡)	Institute of Fluid Physics, CAEP, China	Anode failure mechanism of GaAs photoconductive semiconductor switch triggered by laser diode
Yi Liu (刘毅)	Institute of Fluid Physics, CAEP, China	The Role of Conducting Current to Conducting Resistance of GaAs-PCSS in Nonlinear Mode
Wei Wang (王卫)	Institute of Fluid Physics, CAEP, China	Experiments on multi-stage continuous acceleration of proton beam in dielectric wall accelerator
Mao Ye (叶茂)	Institute of Fluid Physics, CAEP, China	Research on the power sources decoupling at IFP's Dielectric Wall Accelerator
Tao Wang (王韬)	Institute of Fluid Physics, CAEP, China	A high-current ultra-short pulsed vacuum arc ion source
Liangji Zhou (周良骥)	Institute of Fluid Physics, CAEP, China	A Low Inductance Current Convergence Configuration for Large Repetitive Z-pinch Driver
Yong He (何勇)	Institute of Fluid Physics, CAEP, China	Design of a multi-turn railgun for accelerating heavy vehicle to high speed
Xiangxu Chai (柴向旭)	Laser Fusion Research Center, CAEP, China	Noncritical phase-matched fourth harmonic generation of converging beam by DKDP crystal
Haoyu Yuan (元浩宇)	Laser Fusion Research Center, CAEP, China	Technique of puniness object extractive based on crystal birefringence
Lidan Zhou (周丽丹)	Laser Fusion Research Center, CAEP, China	Theoretical researches on small-scale self-foucsing of high-power laser with multi-wavelengths
Jiao Xue (薛峤)	Laser Fusion Research Center, CAEP, China	Process-oriented adaptive optics control method in the multi-pass amplifiers

Ke Yao (姚轲)	Laser Fusion Research Center, CAEP, China	1J, 1Hz ultra-multi-pass Neodymium glass laser amplifier with high efficiency and excellent beam quality
Xiaoxia Huang (黄小霞)	Laser Fusion Research Center, CAEP, China	The pulsed waveform shaping in SG-III laser facility
Xiaolu Zhang (张晓璐)	Laser Fusion Research Center, CAEP, China	Research on the shooting accuracy of ICF laser device based on radiation fluid
Lijun Zhang (张丽娟)	Laser Fusion Research Center, CAEP, China	Influence of annealing atmospheres on the nanometer-scaled defects in fused silica defect layer
Xiaolong Jiang (蒋晓龙)	Laser Fusion Research Center, CAEP, China	Optimum inductively coupled plasma etching technique for obtaining subsurface damage free fused silica needed in high power laser system
Chuangchao Zhang (张传超)	Laser Fusion Research Center, CAEP, China	Surface Damage Mitigation of Large-Aperture Fused Silica Optics for High Power Laser
Bo Zhang (张波)	Laser Fusion Research Center, CAEP, China	High fidelity Frequency Modulation Pulse Waveform Centralized Measurement Technology for High Power Laser Facility
Hao Peng (彭浩)	Laser Fusion Research Center, CAEP, China	Forward Raman scattering of the seed pulse in strongly coupled stimulated Brillouin amplification in plasma
Jinhai Zhang	Tsinghua University, China	The suppression of core-corona structure for aluminum wire array and its influence on the implosion dynamics under a current of mega-ampere
Yuancheng Wang (王渊承)	Laser Fusion Research Center, CAEP, China	Polarization smoothing for single beam by a nematic liquid crystal scrambler
Minqiang Kang (康民强)	Laser Fusion Research Center, CAEP, China	Midinfrared extracavity optical parametric oscillator based on $BaGa_4Se_7$ crystal
Mingxian Kan	Institute of Fluid Physics, CAEP, China	Simulation of the magnetically driven flyer plate experiment with an improved magnetic field boundary formula
Xiaowei Chen	Amplitude laser group – Lisses operations, France	CEP-stabilized, TW-class, 18 fs, 1 kHz, Ti: Sapphire laser system with an original front-end design
Liangping Wang	Northwest Institute of Nuclear Technology, China	Estimation of the Neutron Generation from Gas Puff Z-pinch on Qiangguang Facility
Wanqing Huang (黄晚晴)	Laser Fusion Research Center, CAEP, China	Modeling and analysis of the depolarization in large laser facility

Zongshu Mei (梅宗书)	Xi'an high and New Technology Research Institute, China	Numerical simulation of laser ablation of Stainless steel

Laser and particle beam fusion, magnetic driven fusion

Monday May 7th					
III-1: Laser and particle beam fusion, magnetic driven fusion	14:00-14:25	Sean Regan	Laboratory for Laser Energetics, University of Rochester, USA	**invited talk:** The U.S. National Direct-Drive Inertial Confinement Fusion Program	Chair: Dieter H. H. Hoffmann
	14:25-14:50	Stefano Atzeni	Univeristy of Rome, Italy	**invited talk:** Hydrodynamic Studies of Shock Ignition Targets	
	14:50-15:15	Alexander Golubev	Institute of Theoretical and Experimental Physics named by A.I.Alikhanov of National Research Center "Kurchatov Institute"	**invited talk:** High Energy Density Physics at FAIR	
	15:15-15:30	Liang Guo (郭亮)	Laser Fusion Research Center, CAEP, China	Experimental Study on the Energetics of Uranium Planar Targets Drove by Lasers	
	15:30-15:45	Hui Cao (曹辉)	Institute of Applied Physics and Computational Mathematics, China	Design of Octahedral Spherical Hohlraum for CH Rev5 Ignition Capsule	
	15:45-16:00	Bolun Chen (陈伯伦)	Laser Fusion Research Center, CAEP, China	Experimental Progress on Pulse Shaped Implosion Performance at 40TW drive on SG-III Facility	
	16:00-16:15	**Coffee Break**			
III-2: Laser and particle beam fusion, magnetic driven fusion	16:15-16:40	Hongbo Cai(蔡洪波)	Institute of Applied Physics and Computational Mathematics, China	**invited talk:** Study of the Kinetic Effects in Indirect-Drive Inertial Confinement Fusion Hohlraums	
	16:40-17:05	Shigeo Kawata	Utsunomiya University, Japan	**invited talk:** Robust Heavy Ion Inertial Fusion	Chair: Stefano Atzeni
	17:05-17:30	Zhimin Hu (胡智民)	Laser Fusion Research Center, CAEP, China	**invited talk:** Mixing Effect Investigation with Xenon-Doped Capsule Implosion Experiments	

	17:30-17:45	Shuai Zhang(张帅)	Peking University, China	Weakly Nonlinear Analysis of RTI with BP Effect Evolving on Converging Finite-thickness Cylindrical Shell	
	17:45-18:00	Yongsheng Li (李永升)	Institute of Applied Physics and Computational Mathematics, China	The Formation of “Bubble-Bubble” Structure of Imploding ICF Target Shells	
	18:00-18:15	Shaoyong Tu (涂绍勇)	Laser Fusion Research Center, CAEP, China	Experimental Study on Hydrodynamics Instability in Radiation-Driven Cylindrical Implosions on SG-III Laser Facilities	
Tuesday May 8th					
III-3: Laser and particle beam fusion, magnetic driven fusion	14:00-14:25	Claude Deutsch	Université Paris-Sud, France	**invited talk:** Correlated Ion Stopping in Ultra-dense Plasmas of ICF Concern	Chair: Chikang Li
	14:25-14:50	Yongtao Zhao (赵永涛)	Xi'an Jiaotong University, China	**invited talk:** Stopping and Wakefield Modulation of Ion Beam in Plasma	
	14:50-15:15	Hideaki Habara	Osaka University, Japan	**invited talk:** Visualization of Energy Transport in the Imploded Plasma for Super-penetration Fast Ignition	
	15:15-15:30	Bin He（何斌）	Institute of Applied Physics and Computational Mathematics, China	Electron-ion Energy Partition for Alpha Particle Moving in Fusion DT Plasmas Mixed with Hot Au and Be	
	15:30-15:45	Tao Gong（龚韬）	Laser Fusion Research Center, CAEP, China	Quantitative analysis of the K-alpha emission from a Cu doped CD shell target	
	15:45-16:00	Kaihong Fang (方开洪)	Lanzhou University, China	Environmental Abnormal Screening Effects on Light-Nuclei Sub-barrier Nuclear Fusion	
	16:00-16:15	**Coffee Break**			
III-4: Laser and particle beam fusion, magnetic	16:15-16:40	Chikang Li	Massachusetts Institute of Technology, USA	**invited talk:** Exploring the Multi-ion-fluid Effects in ICF Implosions	Chair: Yongtao Zhao (赵永涛)
	16:40-17:05	Zhurong Cao (曹柱荣)	Laser Fusion Research Center, CAEP, China	**invited talk:** Development of Spatial-, Temporal-, and Spectral-Resolved X-ray Diagnostic Instruments	

driven fusion				for ICF Experiments on SG Laser Facility in China	
	17:05-17:30	Hideo Nagatomo	Osaka University, Japan	**invited talk:** Radiation Hydrodynamic Simulation with Nonlocal Electron Thermal Conduction Model in Strong Magnetic Field	
	17:30-17:45	Jingwei Wang (王精伟)	Shanghai Institute of Optics and Fine Mechanics, CAS, China	High Quality X-ray/Gamma-ray Radiation from a Plasma Undulator	
	17:45-18:00	Jian Wu（吴坚）	Xi'an Jiaotong University, China	Initial Plasmas of Thick Cylindrical Liner Obtained by End-on Laser Interferometry	
	18:00-18:15	Xing Wang(王兴)	Xi'an Institute of Optics and Precision Mechanics, CAS, China	The Development of High Performance Streak Cameras in XIOPM	

Wednesday May 9th					
III-5: Laser and particle beam fusion, magnetic driven fusion	14:00-14:25	Dieter H. H. Hoffmann	Technische Universitat Darmstadt, Germany	**invited talk:** Activation of structural material of intense beam accelerators due to beam loss	Chair: Feng Wang (王峰)
	14:25-14:50	Jochen Linke	Forschungszentrum Jülich GmbH, Institut für Energie und Klimaforschung, Germany	**invited talk:** Challenges for Plasma-Facing Components in Nuclear Fusion	
	14:50-15:15	Wanli Shang (尚万里)	Laser Fusion Research Center, CAEP, China	**invited talk:** The Properties of Hot-spot Emission in a Warm Plastic-shell Implosion on OMEGA	
	15:15-15:30	Guanqiong Wang(王冠琼)	Institute of Applied Physics and Computational Mathematics, China	Numerical Study of the Striation Formation During the Early Phases of the Cylindrical Foil Implosions on the PTS Facility	
	15:30-15:45	Yunsong Dong (董云松)	Laser Fusion Research Center, CAEP, China	Efficient Nanosecond X-ray Sources from Laser-irradiated Metallic Targets with Low Initial Density	
	15:45-16:00	Xing Zhang(张兴)	Laser Fusion Research Center, CAEP, China	A Bright Pulsed Fusion Neutron Source by the Laser-Driven Spherically Convergent Plasma Fusion	

Thursday May 10th					
III-6: Laser and particle beam fusion, magnetic driven fusion	14:00-14:25	Jeremy Chittenden	Imperial College London, UK	**invited talk:** Indirect-drive Inertial Confinement Fusion Simulations at the Centre for Inertial Fusion Studies	Chair: Javier Honrubia
	14:25-14:50	Rafael Ramis	Polytechnic University of Madrid, Spain	**invited talk:** 3D Simulations of Realistic Laser Driven Spherical Implosions	
	14:50-15:15	Yanyun Ma(马燕云)	National University of Defense Technology, China	**invited talk:** Progress on Radiation Hydrodynamics Simulations of ICF at NUDT	
	15:15-15:30	Lu Zhang (张璐)	Laser Fusion Research Center, CAEP, China	Use of Foam Gold to Improve Hohlraum's Performance	
	15:30-15:45	Yanjun Gu	ELI-Beamlines, Czechia	Two-dimensional Simulations of Parametric Instabilities in the context of the Shock Ignition	
	15:45-16:00	Tiankui Zhang (张天奎)	Science and Technology on Plasma Physics Laboratory, China	Design and Preliminary Experiment of Laser Plasma X-ray Using Source Coded	
	16:00-16:15	**Coffee Break**			
III-7: Laser and particle beam fusion, magnetic driven fusion	16:15-16:40	Javier Honrubia	Polytenchnic University of Madrid, Spain	**invited talk:** Three-dimensional Hybrid Modelling of High Intensity Ion Beam Propagation in Plasmas	Chair: Rafael Ramis
	16:40-17:05	Feng Wang（王峰）	Laser Fusion Research Center, CAEP, China	**invited talk：**Diagnostic Techniques for ICF on the ShenGuang-III Laser Facility in China	
	17:05-17:30	Cheng Ning（宁成）	Institute of Applied Physics and Computational Mathematics, China	**invited talk:** The Implementation of Implicit Moment Particle-in-Cell Simulation Method in Z-pinch Dynamic Process Investigation	
	17:30-17:45	Fuyuan Wu（吴福源）	National University of Defense Technology, China	Numerical Studies on the Formation and Radiation Characteristics of Liner Z-pinch Dynamic Hohlraum	
	17:45-18:00	Chao Tian (田超)	Science and Technology on Plasma Physics Laboratory, China	Radiography of Inertial Confinement Fusion Implosions Using Hard X-rays Generated by a Short Laser Pulse	

Poster

Yongteng Yuan (袁永腾)	Laser Fusion Research Center, CAEP, China	Direct–drive Richtmyer-Meshkov Instability Experiment with Reshock on the Shenguang-Ⅲ Prototype Laser Facility
Tianxuan Huang(黄天暄)	Laser Fusion Research Center, CAEP, China	Integrated Implosion Experiments on Shenguang-Ⅲ Laser Facility
Qi Li (李琦)	Laser Fusion Research Center, CAEP, China	Fluorescence imaging for M-band drive symmetry measurement in hohlraum
Bi Bi (毕碧)	Laser Fusion Research Center, CAEP, China	Implosion fuel density diagnosis of cone-in-shell target in indirect-driven fast ignition
Ji Yan (晏骥)	Laser Fusion Research Center, CAEP, China	Preliminary design of Hybrid Spherically Convergent Plasma Fusion (SCPF) in SG-III
Jiukuang Zhu	Laser Fusion Research Center, CAEP, China	Research on ultrafast X-ray detectors based on optical detection
Ganghua Wang (王刚华)	Institute of Fluid Physics, CAEP, China	Simulation Codes for Magnetic Driven Experiments in IFP
Xiaoyue Li	National University of Defense Technology, China	Population distribution and K-shell radiative properties of argon plasmas in non-local thermodynamic equilibrium
Yanzhao Ke (柯延钊)	National University of Defense Technology, China	High-energy-density plasma jet generated by laser-cone interaction
Yanning Zhang	Xi'an Jiaotong University, China	Relativistic stopping power for alpha particles and electrons in hot plasma
Liling Li (李丽灵)	Laser Fusion Research Center, CAEP, China	Study of Gd-coated Au planar target radiation spectrum
Jianhua Zhen (郑建华)	Laser Fusion Research Center, CAEP, China	Monte Carlo simulations of electron cascade in microchannel plates
Longfei Jing (景龙飞)	Laser Fusion Research Center, CAEP, China	An improved view-factor method inclusion of plasma filling for angular distribution of radiation temperature from laser-driven hohlraum
Pin Yang (杨品)	Laser Fusion Research Center, CAEP, China	The measurement of Laser entrance hole of hohlraum on SG-III facility
Zhenghua Yang (杨正华)	Laser Fusion Research Center, CAEP, China	Monochromatic spherical bent crystal imaging system for Shenguan Ⅲ laser facility

Zhigang Deng (邓志刚)	Laser Fusion Research Center, CAEP, China	Large-charge quasimonoenergetic electron beams produced by off-axis colliding laser pulses in underdense plasma
Ao Sun (孙奥)	Laser Fusion Research Center, CAEP, China	Method of Calibrating High-order Harmonics of Synchrotron Radiation Based on Filter
Wei Jiang	Laser Fusion Research Center, CAEP, China	Research of shaped pulse driven hohlraum asymmetry by 2D X-ray radiography
Qiangqing Wang (王强强)	Laser Fusion Research Center, CAEP, China	Development of X-ray framing camera for inertial confinement fusion experiments on SGⅢ laser facility
Xiangming Liu (刘祥明)	Laser Fusion Research Center, CAEP, China	The preheat and ultrafast carrier dynamics of diamond window material in VISAR
Keli Deng (邓克力)	Laser Fusion Research Center, CAEP, China	Design of Streaked Crystal Spectrpmeter On Shenguang III Laser Facility
Zheng Yuan（袁铮）	Laser Fusion Research Center, CAEP, China	A new method to measure temporal resolution of X-ray framing camera
Bo Yu (余波)	Laser Fusion Research Center, CAEP, China	Coaxial CVD diamond detector for neutron diagnostics at ShenGuangⅢ laser facility
Chen Zhang（张琛）	Laser Fusion Research Center, CAEP, China	Calibration and performance study of streaked optical pyrometer system in SG-III prototype facility for temperature measurement of compressed materials
Yudong Pu (蒲昱东)	Laser Fusion Research Center, CAEP, China	Investigating effects of ablative Rayleigh-Taylor instability on implosion acceleration
Zongqiang Yuan (袁宗强)	Laser Fusion Research Center, CAEP, China	The effect of filled gas to the kinetic process of ICF hohlraum plasma interaction
Jin Li (李晋)	Laser Fusion Research Center, CAEP, China	A high performance X-ray streak camera for Laser-Plasma Interaction Studies
Yong Chen (陈勇)	Laser Fusion Research Center, CAEP, China	Higher order harmonics suppression in extreme ultraviolet and soft X-ray
Yinzhong Wu	Laser Fusion Research Center, CAEP, China	High efficiency terahertz diffraction grating with trapezoidal
Minghai Yu (于明海)	Laser Fusion Research Center, CAEP, China	Characterization of a high energy x-ray source produced by the SG-II-U laser facility
Qiangqiang Zhang (张强强)	Laser Fusion Research Center, CAEP, China	Toward Gabor zone plates by modulating zones width

Feng Lu (卢峰)	Laser Fusion Research Center, CAEP, China	Calibration of Image Plate Scanner
Zuhua yang (杨祖华)	Laser Fusion Research Center, CAEP, China	A tool of X-LAB v1.5 for optical design and its application
Xiaojia Li (李晓佳)	Laser Fusion Research Center, CAEP, China	A novel superconducting magnetic levitation method to support the laser fusion capsule by using permanent magnets
Tao Xu (徐涛)	Laser Fusion Research Center, CAEP, China	Research on time-integrated spectrum of backscattered light in Shenguang-Ⅲ laser facility
Yukun Li (黎宇坤)	Laser Fusion Research Center, CAEP, China	An improved calculation of spectral response of gold and CsI photocathodes in a 10 - 100 keV X-ray energy region
Jianjun Dong (董建军)	Laser Fusion Research Center, CAEP, China	Asymmetry diagnosis of implosion hot spot by using multi-channel Kirkpatrick-Baez microscope
Longyu Kuang(况龙钰)	Laser Fusion Research Center, CAEP, China	Experimental study of megagauss magnetic field applications in laser indirect-drive inertial confinement fusion
Kuan Ren (任宽)	Laser Fusion Research Center, CAEP, China	First measurement of plasma stagnation radiation in a hohlraum in the Shenguang-III prototype
Xiaoguang Wang	Institute of Applied Physics and Computational Mathematics, China	Simulation investigation of magneto-Rayleigh-Taylor instabilities in implosion of a thin liner drive by magnetic field
Jiaqin Dong	Shanghai Institute of Laser Plasma, CAEP, China	Diagnostic progress of Laser direct-drive implosions on the SGⅢ prototype laser facility
Min Shui (税敏)	Laser Fusion Research Center, CAEP, China	Primary study on the mixing of ejected fragments and foam
Tao Xi (席涛)	Laser Fusion Research Center, CAEP, China	Study On Dynamic Response Of Shocked Aluminum Under Laser Loading With Dynamic X-Ray Diffraction
Franck Falcoz	Amplitude Technologies, France	Towards high repetition rate ultra-intense lasers, latest developments at Amplitude Technologies
Franck Falcoz	Amplitude Technologies, France	High energy & high average power PUMP LASERS…The route to High average power petawatt lasers

Laser Plasma Interaction

Monday May 7th					
IV-1: Laser Plasma Interaction	14:00-14:25	Kunioki Mima	The Graduate School for the Creation of New Photonics Industries, Japan	**invited talk:** Laser Driven Ion Acceleration and Neutron Source	Chair: Lihua Cao (曹莉华)
	14:25-14:50	Stefan Weber	Institute of Physics, Czech Academy of Sciences, Czech Republic	**invited talk:** High-Energy Photons and Positrons Produced in Laser-Plasma Interaction	
	14:50-15:15	Vladimir Tikhonchuk	University of Bordeaux, France	**invited talk:** Generation of Strong Magnetic Fields with Lasers: from Nano- to Picoseconds	
	15:15-15:30	Yuchi Wu (吴玉迟)	Science and Technology on Plasma Physics Laboratory, China	Towards High Energy Micro-CT Based on Micro-spot High Energy X-ray Source from Laser Wakefield Accelerator	
	15:30-15:45	Zhimeng Zhang (张智猛)	Science and Technology on Plasma Physics Laboratory, China	Generation of High-power Few-cycle Lasers via Brillouin-based Plasma Amplification	
	15:45-16:00	Dong Wu (吴栋)	Shanghai Institute of Optics and Fine Mechanics, CAS, china	Bright Gamma-ray Burst by Ultra Strong Laser Solid Interactions: The Role of Bremsstrahlung and Radiation Reactions	
	16:00-16:15	**Coffee Break**			
IV-2: Laser Plasma Interaction	16:15-16:40	John Marozas	Laboratory for Laser Energetics, University of Rochester, USA	**invited talk:** Wavelength Detuning Cross-Beam Energy Transfer Mitigation Scheme for Polar Direct Drive on SG-III	Chair: Kunioki Mima
	16:40-17:05	Björn Manuel Hegelich	University of Texas at Austin, USA	**invited talk:** Ultrahigh Intensity Physics at the Center for Relativistic Laser Science	
	17:05-17:30	Yan Yin (银燕)	National University of Defense Technology, China	**invited talk:** Laser Hole-Boring Acceleration of Two Diamond-Like Carbon Foils for Copious Positron Production and Gamma-Rays	
	17:30-17:45	Wenpeng Wang (王文鹏)	Shanghai Institute of Optics and Fine Mechanics, CAS, China	Multi-stage Proton Acceleration Controlled by Double Beam Image Technique	

	17:45-18:00	Lihua Cao (曹莉华)	Institute of Applied Physics and Computational Mathematics, China	Fast Electrons and Ka X-ray Produced by Laser Interactions with Structured Targets	
	18:00-18:15	Yue Yang (杨月)	Science and Technology on Plasma Physics Laboratory, China	Concept Study of High-spatial-resolution CT with a Laser-based Hard X-ray Source	

Tuesday May 8th					
IV-3: Laser Plasma Interaction	14:00-14:25	Yutong Li (李玉同)	Institute of Physics, CAS, China	**invited talk:** Generation and Applications of >mJ Terahertz Radiation Driven by Relativistic Laser Pulses	Chair: Stephan Neff
	14:25-14:50	Gregory Vieux	University of Strathclyde, UK	**invited talk:** A Laser Amplifier Based on Raman Amplification in Plasma	
	14:50-15:15	Caterina Riconda	LULI	**invited talk:** High Intensity Lasers and Plasma Optics	
	15:15-15:30	Weimin Wang (王伟民)	Shanghai Institute of Physics, CAS, China	Theoretical and Experimental Studies on THz Radiation via Two-color Laser Scheme	
	15:30-15:45	Jinqing Yu (余金清)	Peking University, China	Ultra-brilliance Isolated Attosecond Gamma-ray Light Source from Nonlinear Compton Scattering	
	15:45-16:00	Lu Li（李路）	Helmholtz Institute Jena, Germany	Attosecond Control and Temporal Characterization of Surface High Harmonics Generation	
	16:00-16:15	**Coffee Break**			
IV-4: Laser Plasma Interaction	16:15-16:40	Dino A. Jaroszynski	University of Strathclyde, UK	**invited talk:** Laser-Plasma Optical Elements, Accelerators, and Radiation Sources: New Tools for Science	Chair: Yutong Li（李玉同）
	16:40-17:05	Stephan Neff	Facility for Antiproton and Ion Research, Germany	**invited talk:** High Energy Density Science at FAIR - Planned Experiments and Facilities	
	17:05-17:20	Feng Zhang (张锋)	Science and Technology on Plasma Physics Laboratory, China	Muon Generation, Detection and Acceleration in Laser Wakefield	
	17:20-17:35	Chongjie Mo	Peking University, China	First-Principles Calculations of X-ray Thomson Scattering of Warm Dense Matter	

	17:35-17:50	Rong Yang (杨容)	Institute of Applied Physics and Computational Mathematics, China	Laser Ray Tracing Simulation on Three-dimensional Structured Grids	
	17:50-18:05	Xiaohui Zhang (张晓辉)	Tsinghua University, China	Electron Acceleration and Betatron Emission from ps Laser Plasma Interactions	

Wednesday May 9th					
IV-5: Laser Plasma Interaction	14:00-14:25	Antonio C. Ting	University of Maryland, USA	**invited talk:** Propagation and Modulation of Intense Short Laser Pulse in Near Critical Density Plasma	Chair: Caterina Riconda
	14:25-14:50	Bengt Eliasson	University of Strathclyde, UK	**invited talk:** Vlasov Simulations of Wave-Wave and Wave-Particle Interactions in Plasma	
	14:50-15:15	Han Wen	University of California, Los Angeles, USA	**Invited talk**: Petascale Kinetic Simulations of Laser Plasma Interactions Relevant to Inertial Fusion — Controlling Laser Plasma Interactions with Laser Bandwidth	
	15:15-15:30	Yaoyuan Liu (刘耀远)	University of Science and Technology of China, China	Analysis of Stimulated Scattering of the Outer Beam in Experiments on SG-III Facility	
	15:30-15:45	Chen Lin (林晨)	Peking University, China	A New Method of Measuring Magnetic and Electric Fields in a Tokamak Using a Laser-accelerated Ion-beam Trace Probe	
	15:45-16:00	Tongpu Yu (余同普)	National University of Defense Technology, China	Ultra-bright Gamma-ray Emission and Dense Positron Production with PW Lasers	

Thursday May 10th					
IV-6: Laser Plasma Interaction	14:00-14:25	Robert Bingham	Rutherford Appleton Laboratory, UK	**invited talk:** Laser plasma parametric Instabilities	Chair: Chuansheng Liu
	14:25-14:50	Chuang Ren	University of Rochester	**Invited talk:** Laser-plasma instabilities and hot electron generation in shock ignition	
	14:50-15:15	Zhichao Li (李志超)	Laser Fusion Research Center, CAEP, China	**invited talk:** Exploration of located hohlraum-plasma evolution using Thomson scattering technique	

	15:15-15:30	Yanqing Deng（邓彦卿）	Shanghai Jiao Tong University, China	Cavitation Structure Evolution During Ultra-intense Laser Near-critical Density Plasma Interaction	
	15:30-15:45	Chengzhuo Xiao (肖成卓)	Hunan University, China	On the Hot-electron Generation Produced by Two-plasmon Decay and Stimulated Raman Scattering in Inhomogeneous	
	15:45-16:00	Jingxia Gong (公静霞)	Peking University, China	The Propagation of Intense Laser and Particle Acceleration in Presence of External Magnetic Field	
	16:00-16:15	**Coffee Break**			
IV-7: Laser Plasma Interaction	16:15-16:40	Chuansheng Liu	University of Maryland, USA	**invited talk:** Stimulated Raman Scattering: Convective and Absolute instabilities	Chair: Robert Bingham
	16:40-17:05	Dong Yang (杨冬)	Laser Fusion Research Center, CAEP, China	**invited talk:** Laser Plasma Instability in Indirect-Drive Inertial Confinement Fusion: From Shenguang-II to Shenguang-III	
	17:05-17:20	Liang Hao (郝亮)	Institute of Applied Physics and Computational Mathematics, China	Study of the Secondary Laser Plasma Instabilities in ICF with FLAME Code	
	17:20-17:35	Jinlong Jiao (矫金龙)	National University of Defense Technology, China	Reduction of Crossing Beam Transferred Energy by Ion Transfer Effect	
	17:35-17:50	Qing Wang (王清)	Peking University, China	Stimulated Brillouin Scattering in Inhomogeneous Flowing Plasmas by Using Vlasov Simulations	
	17:50-18:05	Kaiqiang Pan（潘凯强）	Laser Fusion Research Center, CAEP, China	The Coupling Between a Laser and a Pre-structured Target with an Arbitrary Structure Period	

Poster

Yanxia Wang (王艳霞)	Peking University, China	Nonlinear transition from convective to absolute Raman instability with trapped electrons
Zhiyi Xu	Peking University, China	Ballistic Injection and acceleration of positrons in bubble regime
Hang Zhao (赵航)	Laser Fusion Research Center, CAEP, China	Background radiation analysis for optical Thomson scattering from laser-produced hohlraum plasmas on SG-III prototype laser facility
Qian Zhao (赵前)	Shanghai Jiao Tong University, China	Laser-plasma optics and acceleration under high magnetic field
Dongning Yue	Shanghai Jiao Tong University, China	Generation and dynamics of relativistic electron vortex in laser near critical density plasma interaction
Changwang Lian (练昌旺)	University of Science and Technology of China, China	Laser Plasma Instabilities at Large-Angle Oblique Laser Incidence
Xiangbin Wang (王向兵)	University of Science and Technology of China, China	Gamma-ray generation in laser-irradiated solids with different pre-plasma scale length
Yao Zhao (赵耀)	Shanghai Jiao Tong University, China	Effective suppression of parametric instabilities with decoupled broadband lasers in plasma
Rui Cheng	Institute of Modern Physics, CAS, China	Ion-plasma interaction experimental setup for plasma wave-field investigation
Deyao Yu(余德尧)	National University of Defense Technology, China	Relativistic high-order-mode laser pulse generation from plasma waveguides
Wei Qi (齐伟)	Laser Fusion Research Center, CAEP, China	Laser induced photoneutron source

（Ⅲ）Satellite workshop on laser and plasma instabilities, ICMRE2018　May 6th Afternoon

		Chair: Lihua Cao		
1	15:00-15:15	Chuansheng Liu	University of Maryland, USA	Stimulated Raman backscattering : Convective (C)and Absolute (A) instabilities ：Nonlinear transformation from (C) to (A)and consequences of Reflection Enhancement (Inflation) to Laser fusion.
2	15:15-15:30	Stefan Weber	Institute of Physics, Czech Academy of Sciences, Czech Republic	Non-local radiation hydrodynamics and laser absorption in the context of direct-drive ICF
3	15:30-15:45	Rafael Ramis	Polytechnic University of Madrid, Spain	Current Improvement in the Computer Code MULTI
4	15:45-16:00	Vladimir Tikhonchuk	University of Bordeaux, France	The role of hot electrons in the dynamics of a laser-driven strong converging shock
5	16:00-16:15	Victor Malka	Centre National de Larecherche Scientifique, France	On the use of gas target for laser plasma interaction

（Ⅱ）Satellite workshop on advanced diagnostics technique for HEDP, ICMRE2018　May 9th Afternoon

		Chair: Feng Wang		
1	16:15-16:30	Dimitri Batani	Univeristy of Bordeaux, CELIA,France	Physics of shock ignition and approach to ICF
2	16:30-16:45	Sergey A. Pikuz	Joint Institute for High Temperature, Russia	Hollow atom spectroscopy to study radiation dominated matter
3	16:45-17:00	Hyun-KyungChung	Gwangju Institute of Science and Technology, Korea	atomic processes and spectroscopy modeling of plasmas
4	17:00-17:15	Xufei Xie（谢旭飞）	Laser Fusion Research Center, CAEP, China	Measurement of the Radiation Flux from the Capsule within a Cylindrical Hohlraum at the SGIII-prototype Facility
5	17:15-17:30	Zhongjing Chen（陈忠靖）	Laser Fusion Research Center, CAEP, China	Ion temperature measurements in polar and equator directions at the SG-III laser facility

（Ⅳ）Satellite workshop on laser fusion and science, ICMRE2018　May 9th Afternoon

		Chair: Weimin Zhou		
1	16:15-16:30	Kunioki Mima	The Graduate School for the Creation of New Photonics Industries	High Energy Electron Transport and Heating in Magnetized Fast Ignition
2	16:30-16:45	Stefano Atzeni	Univeristy of Rome	Numerical Simulation of exploding pusher targets
3	16:45-17:00	Masakatsu Murakami	Institute of Laser Engineering, Osaka University	Internal Capsule Defects Quenching Thermonuclear Ignition in ICF
4	17:00-17:15	José Javier Honrubia	Polytenchnic University of Madrid	Electron and ion fast ignition: Present status and perspectives
5	17:15-17:30	Lianqiang Shan（单连强）	Laser Fusion Research Center, CAEP, China	Kinetic effect of plasma interaction in ICF hohlraum
6	17:30-17:45	Hongjie Liu（刘红杰）	Laser Fusion Research Center, CAEP, China	Liquid Scintillator Neutron Detection System and Transient Dosimeter

Satellite workshop on fluid interface instability at extreme
Sunday, May 6, 2018

Session Chair: Ke Lan	
08:30-09:00	Fluctuating Hydrodynamics Simulations of the Richtmyer-Meshkov Instability
	Ravi Samtaney
09:00-09:30	On Converging Shock and Converging Richtmyer-Meshkov Instability
	Xisheng Luo

9:30-09:50	Studies of High-Energy-Density Hydrodynamics at Laser Fusion Research Center
	Yudong Pu
09:50-10:10	Coffee break
Session Chair: Baolin Tian	
10:10-10:40	A nonlinear theory for spikes and bubbles at Richtmyer-Meshkov unstable interfaces with arbitrary density ratio
	Qiang Zhang
10:40-11:10	Particle Jetting Instability
	Kun Xue
11:10-11:30	Dynamical Behavior of the Richtmyer–Meshkov Instability-Induced Turbulent Mixing
	Tao Wang
11:30-11:50	Self-generated Magnetic Field Induced by Richtmyer-Meshkov Instability in Inertial Confinement Fusion Plasmas
	Yaqun Yu
11:50-14:00	Break
Session Chair: Xisheng Luo	
14:00-14:30	Recent Advances in our Understanding of the Rayleigh-Taylor Instability
	Praveen Ramaprabhu
14:30-15:00	Structure and Dynamics of Plasma Interfaces in Laser-Driven Hohlraums
	Chikang Li
15:00-15:20	Dynamics Evolution of Chaotic Rayleigh-Taylor Bubble Fronts
	Yousheng Zhang

15:20-15:40	Coffee break
Session Chair: Kun Xue	
15:40-16:10	An Approximate Deconvolution-kinematic Simulation (AD-KS) Subgrid Scale Model for LES of Lagrangian Relative Dispersion
	Guodong Jin
16:10-16:30	High Order Consistent Finite Difference Algorithm for multi-Material Interfacial Instabilities Problems under Extreme Conditions
	Zhiwei He