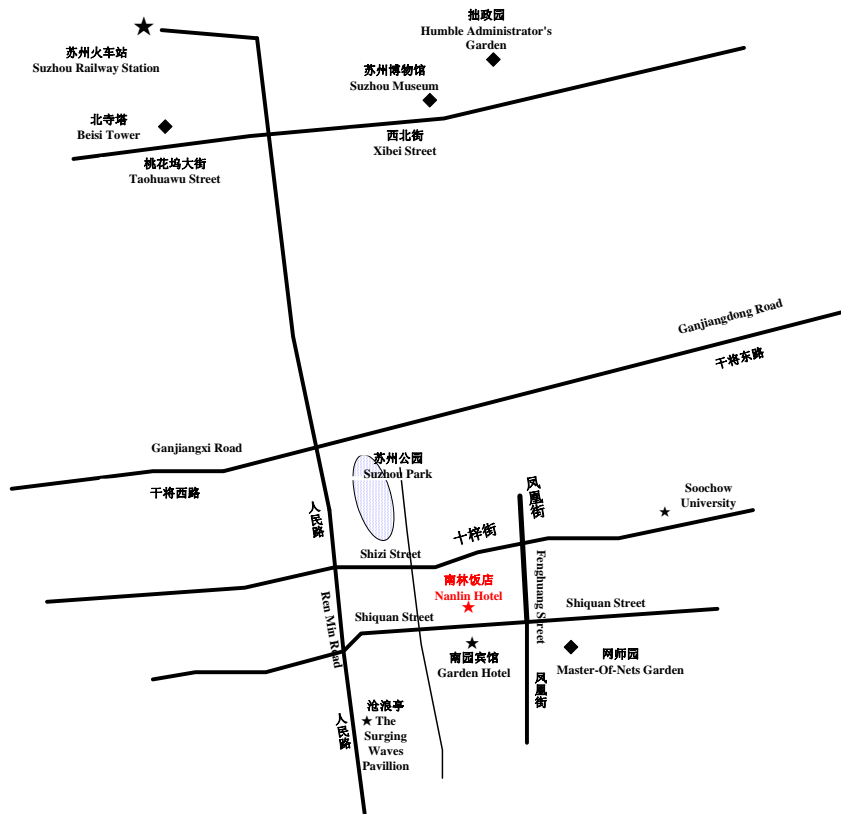




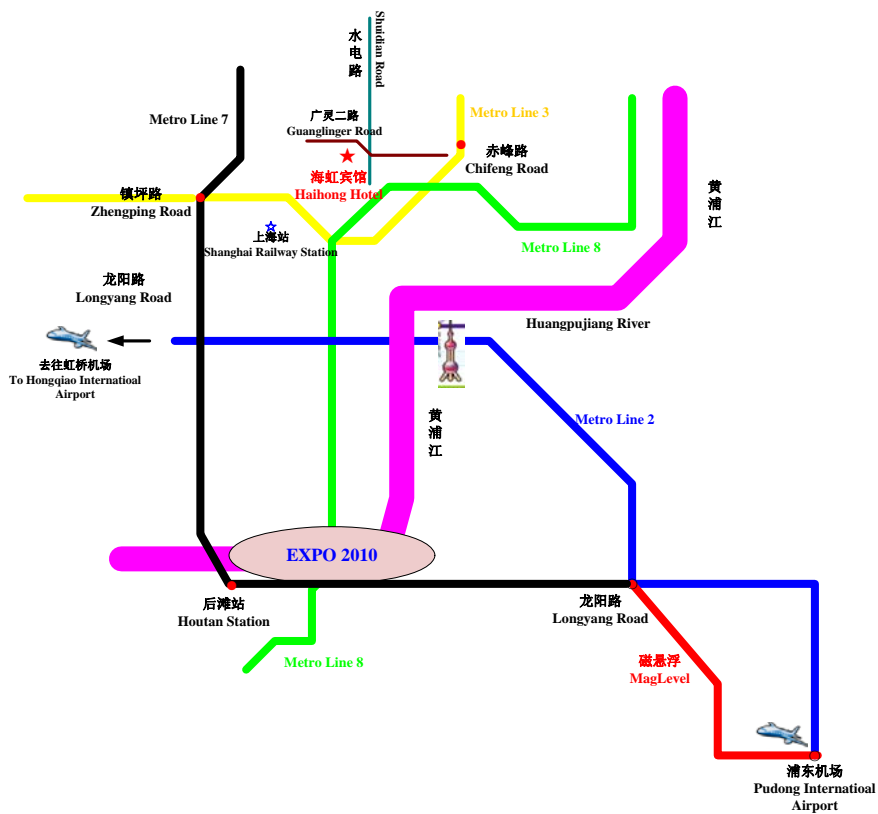
**The 13th International Conference on Megagauss Magnetic
Field Generation and Related Topics**

July 06-10, 2010

Nanlin Hotel, Suzhou, China



Map of Nanlin Hotel



Map of Haihong Hotel



Building 1 of Nanlin Hotel (Yuanzhong)



Building 2 of Nanlin Hotel (Shanshui)



Yacht of Jinji Lake



Haihong Hotel in Shanghai



EXPO 2010

Conference Schedule*

	Tue, July 6 th	Wed, July 7 th	Thurs, July 8 th	Fri, July 9 th	Sat, July 10 th
7:00-7:50	Registration (Lobby of Building 1)	Breakfast	Breakfast	Breakfast	Breakfast
8:00-10:00		8:00-8:30 Opening Ceremony 8:30-10:00 Plenary Session 1	Plenary Session 2	Plenary Session 3	Visiting to Shanghai EXPO
10:00-10:20		Coffee Break	Coffee Break	Coffee Break	
10:20 -12:05		Oral Session 1	Oral Session 4	Oral Session 6	
12:10-13:30		Group Photo Lunch	Lunch	Lunch	
13:30-15:00		Oral Session 2	Oral Session 5	Oral Session 7	
15:00-15:20		Coffee Break	Coffee Break	Coffee Break	
15:20-17:05		Oral Session 3	Poster Session 1	Poster Session 2	
17:10-18:30		Supper	Supper	Closing Ceremony	
18:30-21:00		Welcome Reception (Western Restaurant)		International Steering Committee Meeting (Boya Conference Hall)	

* The whole technical program will be carried out in YuanXiangtang Convention Hall of Building 1 (Yuanzhong Building). All the dining from 6th to 9th are in the Western Restaurant of Building 2 (Shangshui Building). Banquet will be held on the Yacht of Jinji Lake, few kilometers from Nanlin Hotel.

Schedule of Oral Presentation

Wed, July 7th				Thurs, July 8th				Fri, July 9th			
A.M.		P.M.		A.M.		P.M.		A.M.		P.M.	
8:30 – 9:00	<i>J.H. Goforth</i>	13:30 – 13:45	Gilev Sergey	8:00 – 8:30	<i>G.A. Shvetsov</i>	13:30 – 13:45	P. J. Turchi	8:00 – 8:30	<i>Olga Tyupanova</i>	13:30 – 13:45	B.M.Novac
		13:45 – 14:00	A. A. Rouba			13:45 – 14:00	S. F. Garanin			13:45 – 14:00	Xie Weiping
9:00 – 9:30	<i>Sun Chengwei</i>	14:00 – 14:15	Andrew Young	8:30 – 9:00	<i>S. Takeyama</i>	14:00 – 14:15	A.M. Buyko	8:30 – 9:00	<i>Wang Qiuliang</i>	14:00 – 14:15	A.A.Bazanov
		14:15 – 14:30	A. E. Ushnurtsev			14:15 – 14:30	V. A. Demidov			14:15 – 14:30	Xu Gang
9:30 – 10:00	<i>A. V. Ivanovsky</i>	14:30 – 14:45	Li Hongtao	9:00 – 9:30	<i>M.E. Savage</i>	14:30 – 14:45	I. R. Smith	9:00 – 9:30	<i>V.D.Selemir</i>	14:30 – 14:45	P.V.Duday
		14:45 – 15:00	Wang Ganghua	9:30 – 10:00	<i>Zhang Jiande</i>	14:45 – 15:00	G. A. Shneerson	9:30 – 10:00	<i>Li Liang</i>	14:45 – 15:00	Peng Yufei
10:20 – 10:50	<i>R. E. Reinovsky</i>	15:20 – 15:35	A.V. Shurupov	10:20 – 10:50	<i>V. E. Fortov</i>			10:20 – 10:35	K. Struve		
		15:35 – 15:50	J.H. Goforth					10:35 – 10:50	M. Kalal		
10:50 – 11:05	V.A.Demidov	15:50 – 16:05	B. E. Grinevich	10:50 – 11:05	V. B. Mintsev			10:50 – 11:05	A. Miyata		
11:05 – 11:20	A. A. Rouba	16:05 – 16:20	V. B. Kudelkin	11:05 – 11:20	D. G. Tasker			11:05 – 11:20	J. H. Degnan		
11:20 – 11:35	D. A. Goerz	16:20 – 16:35	Sun Qizhi	11:20 – 11:35	Xia Zhengcai			11:20 – 11:35	A. V. Ivanovsky		
11:35 – 11:50	A. A. Rouba	16:35 – 16:50	A.A.Zimenkov	11:35 – 11:50	Zhao Zongqing			11:35 – 11:50	He Yong		
11:50 – 12:05	D. A. Goerz	16:50 – 17:05	--	11:50 – 12:05	V. I. Dudin			11:50 – 12:05	--		

Technical Programs*

Site: YuanXiangtang Convention Hall, Building 1, Nanlin Hotel

Part I: Oral Presentation

July 7, Wednesday

8:00 - 8:30 Opening Ceremony

8:30 - 10:00 Plenary Session 1

8:30 – 9:00	<p>MG-Plenary-1-1. <i>A Legacy of the “Megajoule Committee,” Thirty years of Explosive Pulsed Power Research and Development at Los Alamos National Laboratory</i> <u>J.H. Goforth</u> <i>Los Alamos National Laboratory, Los Alamos, New Mexico, USA</i></p>
9:00 – 9:30	<p>MG-Plenary-1-2. <i>Historical overviews of the research on explosive magnetic generators in the Institute of Fluid Physics (IFP), CAEP</i> <u>Sun Chengwei</u> <i>Institute of Fluid Physics, CAEP, Mianyang, China</i></p>
9:30 – 10:00	<p>MG-Plenary-1-3. <i>Explosive petawatt-power current source - myth or reality?</i> <u>A. V. Ivanovsky</u> <i>All-Russia Research Institute of Experimental Physics, Sarov, Russia</i></p>
10:00 – 10:20 Coffee Break	

10:20 – 12:05 Oral Session 1

10:20 – 10:50 (Specially Invited)	<p>MG-Oral-1-1. <i>Pulsed High Magnetic Fields for Exploring the Dynamic Properties of Materials</i> <u>R. E. Reinovsky</u> <i>Los Alamos National Laboratory, Los Alamos, New Mexico, USA</i></p>
10:50 – 11:05	<p>MG-Oral-1-2. <i>Influence of helical magneto-cumulative generator fabrication precision on magnetic flux losses</i> <u>V.A.Demidov, S.A.Kazakov, and V.N.Buzin.</u> <i>All-Russia Research Institute of Experimental Physics, Sarov, Russia</i></p>
11:05 – 11:20	<p>MG-Oral-1-3. <i>Experimental study of internal voltages and breakdowns in a flux-compression generator</i> <u>V.G.Baryshevsky, N.Belous, A.A.Gurinovich, V.Evdokimov, A.Oskin, A.A.Rouba, B.A.Tarnopolsky, and I.Vasiliev.</u> <i>Research Institute for Nuclear Problems, Belarus State University, Minsk, Belarus</i></p>
11:20 – 11:35	<p>MG-Oral-1-4. <i>Development of high performance vacuum power flow interface for</i></p>

* The names underlined are present authors.

	<p>explosive magnetic flux compression generator experiments. <u>D. A. Goerz</u>, <u>J. B. Javedani</u>, and <u>G. E. Vogtlin</u> Lawrence Livermore National Laboratory, Livermore, USA</p>
11:35 – 11:50	<p>MG-Oral-1-5. Measurements of losses in an oscillating circuit for magneto-cumulative generator of frequency design <u>V.G.Baryshevsky</u>, <u>D.V.Baryshevsky</u>, <u>A.A.Gurinovich</u>, <u>I.P.Prokopovich</u>, <u>A.A.Rouba</u>, and <u>B.A.Tarnopolsky</u>. Research Institute for Nuclear Problems, Belarus State University, Minsk, Belarus</p>
11:50 – 12:05	<p>MG-Oral-1-6. Implementation of pulsed power diagnostics on explosive flux compression generators at LLNL <u>D. A. Goerz</u>, <u>R. A. Anderson</u>, and <u>J. B. Javedani</u>. Lawrence Livermore National Laboratory, Livermore, USA</p>
<p>12:10 – 12:20 Group Photo 12:20 – 13:30 Lunch</p>	

13:30 – 15:00 Oral Session 2

13:30 – 13:45	<p>MG-Oral-2-1. Possibilities of producing magnetic field >4 MG by the shock-wave magnetic cumulation technique <u>Gilev Sergey</u> Lavrentyev Institute of Hydrodynamics, Novosibirsk, Russia</p>
13:45 – 14:00	<p>MG-Oral-2-2. 2D magnetic flux loss modeling of fast FCG <u>Haurylavets V.V.</u>, <u>Rouba A.A.</u>, <u>Siahlo S.E.</u>, <u>Sytova S.N.</u>, and <u>Tikhomirov V.V.</u> Research Institute for Nuclear Problems, Belarus State University, Minsk, Belarus</p>
14:00 – 14:15	<p>MG-Oral-2-3. Simulation of cascaded flux compression generators with conventional circuit simulation software <u>Andrew Young</u>, <u>Andreas Neuber</u>, and <u>Magne Kristiansen</u>. Center for Pulsed Power and Power Electronics, Department of Electrical and Computer Engineering, Texas Tech University, Texas, USA</p>
14:15 – 14:30	<p>MG-Oral-2-4. Two-staged magnetic cumulative generator with primary circuit being switched off <u>A.E.Ushnurtsev</u>, <u>V.E.Fortov</u>, <u>V.B.Mintsev</u>, <u>S.V.Dudin</u>, <u>A.A.Leont'ev</u>, <u>A.V.Kozlov</u>, <u>A.V. Shurupov</u>, and <u>N.P.Shurupova</u>. The Institute of Problems of Chemical Physics of RAS, Chernogolovka, Russia</p>
14:30 – 14:45	<p>MG-Oral-2-5. Development of the prototype module of the 6MV/10MA Z-pinch primary test stand <u>Li Hongtao</u>, <u>Deng Jianjun</u>, <u>Feng Shuping</u>, and <u>Xie Weiping</u>. Institute of Fluid Physics, CAEP, Mianyang, China</p>
14:45 – 15:00	<p>MG-Oral-2-6. Numerical research on implosion of condensed liners used in</p>

	<p>measurement of shock adiabat of materials <u>Wang Ganghua, Kan Mingxian, and Sun Chengwei.</u> Institute of Fluid Physics, CAEP, Mianyang, China</p>
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15:00 – 15:20 Coffee Break

15:20 – 17:05 Oral Session 3

15:20 – 15:35	<p>MG-Oral-3-1. Optimization of inductance output law for high power explosive magnetic generators <u>A.V. Shurupov, S.V. Dudin*, V.E. Fortov, A.V. Kozlov, A.A. Leont'ev, V.B. Mintsev *, N.P. Shurupova, and A.E. Ushnurtsev*.</u> Joint Institute for High Temperatures of RAS, Moscow, Russia; * Institute of Problems of Chemical Physics of RAS, Moscow, Russia</p>
15:35 – 15:50	<p>MG-Oral-3-2. Renewed Experimentation with Ranchero Flux Compression Generators <u>J.H. Goforth</u> Los Alamos National Laboratory, Los Alamos, New Mexico, USA</p>
15:50 – 16:05	<p>MG-Oral-3-3. Experimental extermination of limiting potentials of small-class DEMG <u>M. Yu. Aryutkin, M. A. Dryamov, B. T. Egorychev, B. E. Grinevich, I. V. Izutov, V. B. Kudelkin, A. I. Kraev, K. N. Klimushkin, V. I. Mamyshev, and Yu.I.Matsev.</u> All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>
16:05 – 16:20	<p>MG-Oral-3-4. A family of disk EMG with flat disk elements <u>M.Yu.Aryutkin, B.E.Grinevich, M.A.Dryamov, B.T.Egorychev, V.B.Kudelkin, A.I.Kraev, K.N.Klimushkin, V.I.Mamyshev, and Yu.I.Matsev.</u> All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>
16:20 – 16:35	<p>MG-Oral-3-5. Compact Explosive Pulsed Power Source <u>Sun Qizhi, Liu Wei, Liu Zhengfen, Chi Yuan, Dai Wenfeng, Hao Shirong, Han Wenhui, Wang Minghua, Zhang Nanchuan, Wu Youcheng, Yang Yu, and Xie Weiping.</u> Institute of Fluid Physics, CAEP, Mianyang, China</p>
16:35 – 16:50	<p>MG-Oral-3-6. Helical EMG designing with the use of a computer calculation program <u>A.A.Zimenkov, P.V.Duday, S.V.Pak, and A.N.Skobelev</u> All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>

17:10 Supper

July 8, Thursday

8:00 - 10:00 Plenary Session 2

8:00 – 8:30	<p>MG-Plenary-2-1. Effect of electromagnetic actions on the processes of formation and disruption of shaped-charge jets <u>G.A. Shvetsov</u> <i>Lavrentyev Institute of Hydrodynamics, Siberian Branch of Russian Academy of Sciences, Novosibirsk, Russia</i></p>
8:30 – 9:00	<p>MG-Plenary-2-2. Recent topics of the Megagauss Science Laboratory at ISSP, Japan <u>Shojiro Takeyama</u> <i>Institute for Solid State Physics, University of Tokyo, Japan</i></p>
9:00 – 9:30	<p>MG-Plenary-2-3. The Z pulsed power driver since refurbishment <u>M.E. Savage</u> <i>Sandia National Laboratories, Albuquerque, New Mexico, USA</i></p>
9:30 – 10:00	<p>MG-Plenary-2-4. Experimental researches on the compact helical flux compression generators in NUDT <u>Zhang Jiande</u> <i>National University of Defence Technology, Changsha, China</i></p>
10:00 – 10:20 Coffee Break	

10:20 – 12:05 Oral Session 4

10:20 – 10:50 (Specially Invited)	<p>MG-Oral-4-1. Magnetocumulative generator as the power supply for pulsed plasma accelerator <u>V. E. Fortov, V. E. Cherkovets, A. M. Zhitlukhin, V. B. Mintsev, A. E. Ushnurtsev, A. A. Leont'ev, S. V. Dudin, A. V. Kozlov, A. V. Shurupov and N. P. Shurupova</u> <i>Joint Institute for High Temperatures, Russian Academy of Sciences, Moscow, Russia</i></p>
10:50 – 11:05	<p>MG-Oral-4-2. Magneto-resistance of argon plasma in a transverse magnetic field <u>V. B. Mintsev, V.E.Fortov, D.S.Yuriev, and N.S.Shilkin.</u> <i>The Institute of Problems of Chemical Physics of RAS, Chernogolovka, Russia</i></p>
11:05 – 11:20	<p>MG-Oral-4-3. Design of a miniature explosive isentropic compression experiment <u>D. G. Tasker</u> <i>Los Alamos National Laboratory, Los Alamos, USA</i></p>
11:20 – 11:35	<p>MG-Oral-4-4. Multistep magnetization of DyAg induced by pulsed high magnetic field <u>Xia Zhengcai, Li Haina, Wu Yuying</u> <i>Pulsed High Magnetic Field Lab, Huazhong University of Science and Technology, China</i></p>
11:35 – 11:50	<p>MG-Oral-4-5. Transient electromagnetic field to accelerate and guide fast electrons</p>

	<p>simultaneously in a nanobrush target <u>Zhao Zongqing</u>, Cao Lihua, Cao Leifeng, Wang Jian, Huang Wenzhong, Jiang Wei, He Yingling, Wu Yuchi, Zhu Bin, Dong Kegong, Ding Yongkun, Zhang Baohan, and Gu Yuqiu Laser Fusion Research Center, CAEP, Mianyang, China National Key Laboratory for Laser Fusion, Mianyang, China</p>
11:50 – 12:05	<p>MG-Oral-4-6. Adjustment of MAGO chamber for retention of high-temperature plasma O. M. Burenkov, V. K. Chernyshev, Yu. N. Dolin, P. V. Duday, <u>V. I. Dudin</u>, V. A. Ivanov, A. V. Ivanovsky, G. V. Karpov, V. P. Korchagin, A. I. Kraev, V. B. Kudelkin, I. V. Morozov, S. V. Pak, S. M. Polyushko, A. N. Skobelev, V. I. Shpagin, A. A. Volkov, G. I. Volkov, and A. A. Zabiralov. All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>
12:10 – 13:30 Lunch	

13:30 – 15:00 Oral Session 5

13:30 – 13:45	<p>MG-Oral-5-1. PHLIX for flux compression studies <u>P.J.Turchi</u>, C.L.Rousculp, R.E.Reinovsky, W.A.Reass, J.R.Griego, D.M.Oro, and F.E. Merrill. Los Alamos National Laboratory, Los Alamos, USA</p>
13:45 – 14:00	<p>MG-Oral-5-2. Two-dimensional MHD simulations of a plasma focus with allowance for the acceleration mechanism for neutron generation <u>S.F.Garanin</u>, V.I.Mamyshev. All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>
14:00 – 14:15	<p>MG-Oral-5-3. High-current systems with an electrically exploded foil opening switch (FOS) <u>A.M. Buyko</u> All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>
14:15 – 14:30	<p>MG-Oral-5-4. Multi-module helical magneto-cumulative generator <u>V.A.Demidov</u> and S.A.Kazakov. All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>
14:30 – 14:45	<p>MG-Oral-5-5. A 0.5 MV repetitive Tesla-based PFL system B.M.Novac and <u>I.R.Smith</u>. Department of Electronic and Electrical Engineering, Loughborough University, Loughborough, UK</p>
14:45 – 15:00	<p>MG-Oral-5-6. Configurations of multimodule quasi-force-free magnetic systems and a possibility to reduce stresses in these systems <u>G.A. Shneerson</u>, O.S. Koltunov, and D.A. Degtev St. Petersburg State Polytechnical University (SPbSPU), St. Petersburg, Russia</p>

15:00 – 15:20 Coffee Break	
17:10 Supper	

July 9, Friday

8:00 - 10:00 Plenary Session 3

8:00 – 8:30	<p>MG-Plenary-3-1. Study of Aluminum ALCAN Spall Fracture and Recollection Using an Explosive Magnetic Pulsed Power Source on the Basis of a Helical EMG. Results of R-Damage 0-7 Series of Experiments <u>Olga Tyupanova</u> All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>
8:30 – 9:00	<p>MG-Plenary-3-2. Development of high Magnetic Field Superconducting Magnet Technology for Pulsed Power Technology <u>Wang Qiuliang</u> Institute of Electrical Engineering, Chinese Academy of Sciences, Beijing, China</p>
9:00 – 9:30	<p>MG-Plenary-3-3. Explosive source of soft x-ray radiation EMIR <u>V.D.Selemir</u> All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>
9:30 – 10:00	<p>MG-Plenary-3-4. The Development of the Wuhan National Pulsed High Magnetic Field Center <u>Li Liang</u> Wuhan National Pulsed High Magnetic Field Center, Wuhan, China</p>
10:00 – 10:30 Coffee Break	

10:30 – 12:00 Oral Session 6

10:20 – 10:35	<p>MG-Oral-6-1. Portable current source for 50 T and 200 T magnetic field coils for cluster fusion experiments <u>Kenneth Struve, Jeffrey Argo*, Roger Bengtson**, Daniel Headley*, Jeffrey Kellogg, Keith LeChien, Matthew McCormick**, Hernan Quevedo**, Mark Savage, and Brian Stoltzfus.</u> Pulse Power Sciences, Sandia National Laboratories, Albuquerque, NM, USA; *Ktech Corporation, Albuquerque, NM, USA; **Physics Dept., University of Texas, Austin, TX, USA</p>
10:35 – 10:50	<p>MG-Oral-6-2. Diagnostics of magnetic fields by complex interferometry <u>Milan Kalal</u> Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University in Prague, Czech Republic</p>
10:50 – 11:05	<p>MG-Oral-6-3. Magnetization of a frustrated spinel oxide measured up to 600 T by the electro-magnetic flux compression <u>A. Miyata, S. Takeyama.</u> Institute for Solid State Physics, University of Tokyo, Chiba, Japan</p>

11:05 – 11:20	<p>MG-Oral-6-4.</p> <p>Field reversed configuration (FRC) formation and compression</p> <p><u>J. H. Degnan</u>, P. Adamson, D. J. Amdahl, R. Delaney, M. Domonkos, F. M. Lehr, E. L. Ruden, W. Tucker, W. White, C. Grabowski*, D. Gale*, M. Kostora*, J. Parker*, W. Sommars*, M. H. Frese**, S. D. Frese**, J. F. Camacho**, S. K. Coffey**, V. Makhin**, T. P. Intrator***, G. A. Wurden***, P. J. Turchi***, and W. J. Waganaar***, R. E. Siemon****, B. S. Bauer****, A. G. Lynn****, and N. F. Roderick****.</p> <p>Air Force Research Laboratory, Directed Energy Directorate, Kirtland AFB, NM USA; * SAIC, Albuquerque, NM USA; ** NumerEx LLC, Albuquerque, NM USA; *** Los Alamos National Laboratory, Los Alamos, NM USA; **** University of Nevada, Reno, Reno, NV USA; ***** University of New Mexico, Albuquerque, NM USA</p>
11:20 – 11:35	<p>MG-Oral-6-5.</p> <p>Development of explosive magnetic current generator for a discharge chamber with plasma focus</p> <p>V.E.Ablesimov, A.A. Bazanov, Yu.N.Dolin, P.V.Duday, A.Yu. Fevraleev, V.A.Ivanov, E.I. Ivanov, <u>A.V. Ivanovsky</u>, A.E. Kalinychev, G.V. Karpov, A.I. Kraev, I.V. Morozov, V.N. Nudikov, S.V. Pak, S.M. Polyushko, N.P. Pozdov, A.T. Shakhalkin, A.N. Skobelev, Z.S. Tsibikov, and A.A. Zimenkov.</p> <p>All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>
11:35 – 11:50	<p>MG-Oral-6-6.</p> <p>Efficiency analysis of an electromagnetic rail gun with a full circuit model</p> <p><u>He Yong</u>, Guan Yongchao, Song Shengyi, Li Yexun, Qiu Xu, Gao Guishan, and Wei Bing.</p> <p>Institute of Fluid Physics, CAEP, Mianyang, China</p>
12:10 – 13:30 Lunch	

13:30 – 15:05 Oral Session 7

13:30 – 13:45	<p>MG-Oral-7-1.</p> <p>Fast numerical modelling techniques for the design of FLUXAR systems</p> <p><u>B.M.Novac</u>, I.R.Smith.</p> <p>Department of Electronic and Electrical Engineering, Loughborough University, Loughborough, UK</p>
13:45 – 14:00	<p>MG-Oral-7-2.</p> <p>The research activities of pulsed power laboratory</p> <p><u>Xie Weiping</u></p> <p>Institute of Fluid Physics, CAEP, Mianyang, China</p>
14:00 – 14:15	<p>MG-Oral-7-3.</p> <p>Magnetodynamic current opening switch with submicrosecond switching time</p> <p><u>A.A.Bazanov</u>, A.V.Ivanovsky, and V.Sh.Shaidullin.</p> <p>All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>
14:15 – 14:30	<p>MG-Oral-7-4.</p> <p>Analysis and simulation of a frequency tunable high power mesoband</p>

	<p>electromagnetic pulse generator</p> <p><u>Xu Gang</u>^{*, **}, <u>Liao Yong</u>^{**}, <u>Xie Ping</u>^{**}, <u>Meng Fanbao</u>^{**}, and <u>Tang Chuanxiang</u>[*].</p> <p>[*] Department of Engineering Physics, Tsinghua University, Beijing, China;</p> <p>^{**} Institute of Applied Electronics, CAEP, Mianyang, China</p>
14:30 – 14:45	<p>MG-Oral-7-5.</p> <p>Small-size explosive source of current with a possibility to control the output voltage</p> <p><u>P.V.Duday</u>, <u>A.Yu.Fevraleov</u>, <u>V.A.Ivanov</u>, <u>G.V.Karpov</u>, <u>A.I.Kraev</u>, <u>A.S.Nemchinov</u>, <u>S.M.Polyushko</u>, <u>A.N.Skobelev</u>, and <u>A.A.Zimenkov</u>. All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>
14:45 – 15:00	<p>MG-Oral-7-6.</p> <p>Si PIN detectors array for high energy X-ray pulse measurement</p> <p><u>Peng Yufei</u>, <u>Ma Bing</u>, and <u>Shi Jinshui</u>.</p> <p>Institute of Fluid Physics, CAEP, Mianyang, China</p>
15:00 – 15:20 Coffee Break	
17:10 Closing Ceremony	

Part 2: Poster Presentations

July 8, Thursday

15:20 – 17:05 Poster Session 1

MG-Poster-1-1	<p>Design and test of 75 T class pulsed magnet in WHMFC <u>Peng Tao</u>, Li Liang, and Fritz Herlach*. Wuhan National High Magnetic Field Center, Wuhan, Hubei, China; * Katholieke Universiteit Leuven, Belgium</p>
MG-Poster-1-2	<p>Results of initial research of magnetically induced gas sorption on dielectrics surface <u>A.A.Druzhinin</u>*, A.V.Filippov*, S.I.Krivosheev, V.V.Platonov*, V.D.Selemir*, G.A.Shneerson, O.M.Tatsenko*, and V.Yu.Volgutov*. St.Petersburg State Polytechnic University (SPbSTU), St. Petersburg, Russia. * RFNC-VNIIEF, Sarov, Russia</p>
MG-Poster-1-3	<p>A study of the magnetoinduced sorption of gases at the dielectric surface: first results <u>S.I.Krivosheev</u>, V.V.Platonov*, V.D.Selemir*, O.M.Tatsenko*, G.A.Shneerson, and A.V.Filippov*. St. Petersburg State Polytechnic University (SPbSTU), St. Petersburg, Russia; * RFNC-VNIIEF, Sarov, Russia</p>
MG-Poster-1-4	<p>Skin layer electric explosion distinctions and the shock wave forming in the multimegagauss magnetic field range S.I. Krivosheev, V.S.Pomasov, and <u>G.A. Shneerson</u>. St. Petersburg State Polytechnical University (SPSPU), St. Petersburg, Russia</p>
MG-Poster-1-5	<p>Models of magnets with quasi-force-free winding: development, manufacturing and investigation <u>O.S. Koltunov</u>, G.A. Schneerson, Yu.E. Adamian, A.N. Berezkin, I.A. Vechev, D.A. Degtev, S.I. Krivosheev, A.P. Nenashev, A.A. Parfentiev St. Petersburg State Polytechnical University (SPbSPU), St. Petersburg, Russia</p>
MG-Poster-1-6	<p>Energy transfer from shock wave ferromagnetic prime power sources to magnetic flux compression generators <u>Sergey I. Shkuratov</u>, Jason Baird, Evgueni F. Talantsev*, and Larry L. Altgilbers**. Loki Incorporated, Rolla, USA; *Pulsed Power LLC, Lubbock, USA; ** U.S. Army Space and Missile Defense Command, Huntsville, USA</p>
MG-Poster-1-7	<p>Multi-pulse mode of operation of mc-generator of fast-growing current pulses <u>Gorbachev K.V.</u>, Nesterov E.V., Stroganov V.A., Chernykh E.V. Joint Institute for High Temperatures of RAS, Moscow, Russia</p>

<p>MG-Poster-1-8</p>	<p>Investigation of the work of explosive-driven magnetic generator with non-state explosive in mobile systems <u>Dudin S.V.</u>, Lavrov V.V., Kozlov A.V. *, Leont'ev A.A. *, Mintsev V.B., Ushnurtsev A.E., Fortov V.E., Shurupov A.V. * Institute of Problems of Chemical Physics of RAS, Chernogolovka, Russia *United Institute of High Temperatures of RAS, Moscow, Russia.</p>
<p>MG-Poster-1-9</p>	<p>Pulsed source of current on the basis of a helical explosive magnetic generator with a built-in current opening switch of cumulative type. P.V. Duday, V.A. Ivanov, S.V. Pak, A.N. Skobelev, and <u>A.I. Kraev</u>. All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>
<p>MG-Poster-1-10</p>	<p>Calculating investigation into the possible highest output peak power for LTD <u>Liu Peng</u>, Sun Fengju, and Qiu Aici. Xi'an Jiaotong University, Shanxi, China</p>
<p>MG-Poster-1-11</p>	<p>Output-current pulse shaping of one FLTD module with the internal water-insulated transmission line <u>Sun Fengju</u>, Liu Peng, and Qiu Aici. Northwest Institute of Nuclear Technology, Shanxi, China</p>
<p>MG-Poster-1-12</p>	<p>A small pulsed power source driven by helical magnetic flux compression generator <u>Liu Zhengfen</u>, Sun Qizhi, Liu Wei, Dai Wenfeng, Chi Yuan, and Fang Dongfan. Institute of Fluid Physics, CAEP, Mianyang, China</p>
<p>MG-Poster-1-13</p>	<p>1 MA-LTD Stage. <u>Zhou Lianji</u>, Deng Jianjun, Chen Lin, Wang Meng, Ren Jing, and Li Ye. Institute of Fluid Physics, CAEP, Mianyang, China</p>
<p>MG-Poster-1-14</p>	<p>Magneto-cumulative energy source for lightning current pulse reproduction on branched system of protective grounding Yu.V. Vilkov, A.S. Kravchenko, M.M. Saitkulov, <u>V.D. Selemir</u>, V.A. Terekhin, and A.A. Tutyayev. All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>
<p>MG-Poster-1-15</p>	<p>Test of disk magneto-cumulative generator of diameter 480mm at enhanced powering V.A.Demidov, <u>V.D.Selemir</u>, A.S.Boriskin, S.A.Kazakov, Yu.V.Vlasov, A.P.Romanov, E.V.Shapovalov, V.A.Yanenko, E.I.Schetnikov, S.N.Golosov, S.E.Pavlov, S.V.Kutumov, A.S.Sevastyanov, N.R.Kazakova, and A.A.Agapov. All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>
<p>MG-Poster-1-16</p>	<p>Compression of high power pulse using z-pinch <u>Xu Fukai</u>, Zhang Yang, Ding Wu. Beijing institute of applied physics and computational mathematics, Beijing, China</p>
<p>MG-Poster-1-17</p>	<p>Helical magneto-cumulative generators for MAGO chamber powering <u>V.A.Demidov</u> and S.A.Kazakov. All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>

MG-Poster-1-18	<p>Research on turn-skipping phenomenon in helical MFCGs of various geometry</p> <p><u>Zhou Zhiwei</u>, Fan Xiang.</p> <p>Electronic Engineering Institute, Hefei, China</p>
MG-Poster-1-19	<p>Generation of short high current pulse on high inductance load</p> <p><u>Wang Yuwei</u>, Zhang Jiande, Chen Dongqun, Cao Shengguang, Li Da, and Li Shu.</p> <p>College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China</p>
MG-Poster-1-20	<p>The analysis of the emission characteristic of indirect feeding explosive magnetic generator of frequency</p> <p><u>Zhao Bo</u>, Chen Dongqun, Cao Shengguang, Li Da, Wang Yuwei, and Li Shu.</p> <p>College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China</p>
MG-Poster-1-21	<p>The effect of HE charge thickness on the output parameters of explosive opening switch with foil and ribbed barrier</p> <p>P.V. Duday, V.A. Ivanov, E.I.Ivanov, O.D.Mikhailov, <u>S.A.Monakhova</u>, S.V.Pak, and A.N.Skobelev.</p> <p>All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>
MG-Poster-1-22	<p>High-voltage pulse generation by using electro-explosive fuse opening switch and energy storage inductor in transformer shape and those applications</p> <p><u>Jeonghyeon Kuk</u>, Cheonho Kim, and Jaimin Lee.</p> <p>Agency for Defense Development, Korea</p>
MG-Poster-1-23	<p>Design of a pulse transformer for charging water forming line by flux compression generators</p> <p><u>Yang Hanwu</u>, Zhang Jiande, Chen Dongqun, and Wang Yong.</p> <p>College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China</p>
MG-Poster-1-24	<p>Two-gap pseudospark switches for high voltage applications</p> <p><u>Qin Feng</u>, Chang Anbi, and Ding Enyan.</p> <p>Institute of Applied Electronics, CAEP, Mianyang, China</p>
MG-Poster-1-25	<p>Frequency characteristics of high-voltage power supply converter based on piezoelectric transformer</p> <p><u>Guo Zerong</u>, Bai Chunyu, and Li Huabo.</p> <p>State Key Laboratory of Explosion Science and Technology, Beijing Institute of Technology, Beijing, China</p>
MG-Poster-1-26	<p>Recent progress on compact, solid state pulse forming line</p> <p><u>Xia Liansheng</u>, Liu Xingguang, Zhang Huang.</p> <p>Institute of Fluid Physics, CAEP, Mianyang, China</p>
MG-Poster-1-27	<p>Study of explosive current opening switch with pulsed endoscopy method</p> <p><u>E.G.Akashev</u>, A.N.Belonogov, A.S.Boriskin, V.A.Demidov, S.N.Golosov, S.A. Kazakov, O.V.Oreshkov, V.D.Selemir, E.V.Shapovalov, T.A.Toropova, Yu.V.Vlasov, and A.A.Volkov. All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>

<p>MG-Poster-1-28</p>	<p>High-voltage pulse generator based on pulse transformer and Marx generator <u>Lin Jiajin</u>, Yang Jianhua, Zhou Xiang, and Wen Jianchun. College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China</p>
<p>MG-Poster-1-29</p>	<p>Application of a laser triggered gas switch on the accelerator charged with Telsa transformer <u>Yin Yi</u>, Zhong Huihuang, and Liu Jinliang. College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China</p>
<p>MG-Poster-1-30</p>	<p>Design of a 10-stage induction voltage adder based on a strip pulse forming line <u>Meng Zhipeng</u>, Yang Hanwu, Qian Baoliang, and Yang Shi. College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China</p>
<p>MG-Poster-1-31</p>	<p>A long pulse, ultra-low impedance pulse generator based on magnetic switch and strip line <u>Yang Shi</u>, Zhong Huihuang, Qian Baoliang, Yang Hanwu, and Meng Zhipeng. College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China</p>
<p>MG-Poster-1-32</p>	<p>Design of 35 kA DC thyristors switch for pulsed flat-top magnet <u>Ding Tonghai</u>, Wang Jun, Ding Hongfa, Li Liang, and Liu Baohua*. Wuhan National High Magnetic Field Center, Huazhong University of Science and Technology, China; * Institute of Plasma Physics, Chinese Academy of Sciences, China</p>
<p>MG-Poster-1-33</p>	<p>Design of pulsed power source with pulse transformer <u>Wu Youcheng</u>, Geng Lidong, Yang Yu, Hao Shirong, and Xie Weiping. Institute of Fluid Physics, CAEP, Mianyang, China</p>
<p>MG-Poster-1-34</p>	<p>The primary study on pulsed power conditioning technology based on two-staged opening switches <u>Hao Shirong</u>, Xie Weiping, Dai Yingmin, Wang Minhua, Han Wenhui, Zhang Nanchuan, Wu Youcheng, and Yang Yu. Institute of Fluid Physics, CAEP, Mianyang, China</p>
<p>MG-Poster-1-35</p>	<p>Experimental test bench on the basis of disk EMG \varnothing 250 mm to study properties of materials under conditions of loading by cylindrical liners M. Yu. Aryutkin, B. E. Grinevich, M. A. Dryamov, B. T. Egorychev, I. V. Izutov, <u>V. B. Kudelkin</u>, A. I. Kraev, K. N. Klimushkin, V. I. Mamyshev, Yu. I. Matsev, and A. T. Shakhalkin. All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>
<p>MG-Poster-1-36</p>	<p>Megagauss magnetic field generation in laser-driven plasma compression in cusp configuration <u>I.Yu.Kostyukov</u>, S.V.Ryzhkov. Institute of Applied Physics, RAS, Nizhny Novgorod, Russia</p>

<p>MG-Poster-1-37</p>	<p>Primary wire array Z-pinch experiments performed on Yang accelerator <u>Huang Xianbin</u>, Ren Xiaodong, Zhou Shaotong, Zhang Siqun, Cai Hongchun, Li Jing, Duan Shuchao, Dan Jiakun, Ouyang Kai, Li Jun, Zhou Rongguo, Zhang Zhaohui, Yang Libing, Xie Weiping, and Deng Jianjun. Institute of Fluid Physics, CAEP, Mianyang, China</p>
<p>MG-Poster-1-38</p>	<p>A simple non-LTE kinetic model for analysis of K-shell spectra from Z-pinch plasmas <u>Li Jing</u>, Xie Weiping, and Huang Xianbin. Institute of Fluid Physics, CAEP, Mianyang, China</p>
<p>MG-Poster-1-39</p>	<p>Experimental investigation of radiation characteristic of X-pinch plasma <u>Cai Hongchun</u>, Huang Xianbin, Yang Libing, and Zhou Shaotong. Institute of Fluid Physics, CAEP, Mianyang, China</p>
<p>MG-Poster-1-40</p>	<p>Investigation on characteristics of X-pinch plasma sources on Yang accelerator <u>Zhou Shaotong</u>, Huang Xianbin, Deng Jianjun, Li Jing, Duan Shuchao Ren Xiaodong, Zhang Siqun, Dan Jiakun, Zhou Rongguo, Ouyang Kai, Yang Liang. Institute of Fluid Physics, CAEP, Mianyang, China</p>
<p>MG-Poster-1-41</p>	<p>Improvements on “Yang” machine to increase its output current <u>Zhou Rongguo</u>, Huang Xianbing, Yang Libing, and Ouyang Kai. Institute of Fluid Physics, CAEP, Mianyang, China</p>
<p>MG-Poster-1-42</p>	<p>Experimental research on magnetically driven super-high velocity projectiles <u>Mo Jianjun</u>, Gu Zhuowei, Wang Guiji, Zhao Jianheng, Tan Fuli, Sun Chengwei, and Wu Gang. Institute of Fluid Physics, CAEP, Mianyang, China</p>
<p>MG-Poster-1-43</p>	<p>Numerical simulation analysis of 2008 Sino-Russian joint Z-pinch experiment on the Angara-5-1 facility <u>Ding Ning</u>, Yin Li, and Sun Shunkai. Institute of Applied Physics and Computational Mathematics, Beijing, China</p>
<p>MG-Poster-1-44</p>	<p>Design and Analysis of a Five Sections Linear Induction Launcher <u>Li Xian</u>, Wang Qiuliang, and Wang Housheng. Institute of Electrical Engineering, Chinese Academy of Sciences, Beijing, China</p>
<p>MG-Poster-1-45</p>	<p>Effects of electron plasma waves on laser-induced electron accelerations <u>Chen Shi</u>, Wang Wendou, and Li Jianfeng. Institute of Fluid Physics, CAEP, Mianyang, China</p>
<p>MG-Poster-1-46</p>	<p>Analysis and calibration for the discharge current measurement at the WHMFC pulsed high magnetic field facility <u>Han Xiaotao</u>, Sun Wenwen, and Xie Jianfeng. Wuhan High Magnetic Field Center(WHMFC), Huazhong University of Science and Technology, Wuhan, China</p>

MG-Poster-1-47	Pulse magnetic acceleration <u>Y.Livshiz.</u> WADIS Ltd ,ISRAEL
MG-Poster-1-48	Use of magnetic cumulation effect for blast protection L. P. Babych, K. I. Bakhov, B. A. Boyko, <u>A.V. Ivanovsky</u> , A. I. Kuzayev, Yu. V. Savtsova, and V. Sh. Shaidullin. All-Russia Research Institute of Experimental Physics, Sarov, Russia
MG-Poster-1-49	A digital lock-in-technique for superconductor measurement under high pulsed fields <u>Huang yan</u> , Chen ziyu, and Xia zhengcai. Wuhan High Magnetic Field Center (WHMFC), Huazhong University of Science and Technology, Wuhan, China
MG-Poster-1-50	Capabilities of the simulation of the low-dimensional state of the matter in experiments on excitons in ultra-high magnetic fields <u>R.P. Seisyan</u> , A.G. Panfilov*, O.M. Tatsenko*, and V.V. Platonov*. Ioffe Institute, St. Petersburg, Russia; *RFNC-VNIIEF, Sarov, Russia

July 9, Friday

15:20 – 17:05 Poster Session 2

MG-Poster-2-1	Superconducting magnetic energy storage for high power applications <u>Dai Yinming.</u> Institute of Electrical Engineering, CAS, Beijing, China
MG-Poster-2-2	Magnetic axis control technologies of large size solenoid coil <u>Dai Zhiyong</u> , Liao Shuqing, Wang Yongwei, Liu Yunlong, and Chen Shuang. Institute of Fluid Physics, CAEP, Mianyang, China
MG-Poster-2-3	Modeling of PZT ferroelectric ceramic depolarization driven by shock <u>Lan Chaohui</u> ,Wang Qiang. Institute of Fluid Physics, CAEP, Mianyang, China
MG-Poster-2-4	A 1 MA, 580ns scaled pulsed power generator <u>Wang Guiji</u> , Zhao Jianheng, Sun Chengwei, Kuai Bin, Mo Jianjun, Liu Cangli, and Wu Gang. Institute of Fluid Physics, CAEP, Mianyang, China
MG-Poster-2-5	The characteristics of the implosive compress process in magneto-inertial fusion <u>Yang Xianjun</u> , Dong Zhiwei. Beijing Inst. of Applied Physics & Computational Mathematics, Beijing, China
MG-Poster-2-6	Numerical simulation of a stacked Blumlein line pulse generator <u>Wang Songsong</u> , Shu Ting, and Yang Hanwu. College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China
MG-Poster-2-7	Application of modern modeling and simulation codes for development of advanced flux compression generators <u>J.B. Javedani</u> , D.B. Reisman, D.A. Goerz, T.L. Houck, M.P. Perkins, and G.E. Vogtlin. Lawrence Livermore National Laboratory, Livermore, CA, USA

MG-Poster-2-8	<p>Finite-element 2D circuit model and simulation for helical flux-compression generators' designing</p> <p><u>Mao Chao</u>, Qiu Zhiming, and Liu Zhong. China Naval University of Engineering, Wuhan, China</p>
MG-Poster-2-9	<p>Numerical simulations of tungsten wire array Z pinch implosion</p> <p><u>Zhao Hailong</u>, Wang Ganghua, and Zou Wenkang. Institute of Fluid Physics, CAEP, Mianyang, China</p>
MG-Poster-2-10	<p>Calculation of electromagnetic force on the geometry of double-post-hole convolute</p> <p><u>Wang Qiang</u>, Wang Wendou, and Song Shengyi. Institute of Fluid Physics, CAEP, Mianyang, China</p>
MG-Poster-2-11	<p>On advantages and hidden disadvantages of generators with dynamic capture of magnetic flux</p> <p><u>A. A. Bazanov</u>. All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>
MG-Poster-2-12	<p>Experimental and numerical study of high magnetic field generation in conical MHD flows</p> <p>V.S. Prokop'ev, S.V. Stankevich and <u>G.A. Shvetsov</u>. Lavrentyev Institute of Hydrodynamics, Siberian Branch of Russian Academy of Sciences. Novosibirsk, Russia</p>
MG-Poster-2-13	<p>Aharonov-Bohm splittings of excitons in PFO-single-walled carbon nanotubes under ultra-high magnetic fields</p> <p><u>H.Suzuki</u>, R.Shen, and S.Takeyama. Institute for Solid State Physics, University of Tokyo, Chiba, Japan</p>
MG-Poster-2-14	<p>Comparison of experimental and calculation data on isentropic compression of condensed protium and deuterium using improved equation of state.</p> <p><u>G. V. Boriskov</u>, N. I. Egorov, and V. I. Timareva. All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>
MG-Poster-2-15	<p>Soft x-ray powermeter applied in "Yang" W arrays z-pinch implosions</p> <p><u>Zhang Siqun</u>, Huang Xianbin, and Yang Libing. Institute of Fluid Physics, CAEP, Mianyang, China</p>
MG-Poster-2-16	<p>Velocity measurements of imploding liners using photonic doppler velocimetry</p> <p><u>D.B. Holtkamp</u> and W.L. Atchison. Los Alamos National Laboratory, Los Alamos, USA</p>
MG-Poster-2-17	<p>Effect of magnetic field on surface flashover of insulators in vacuum</p> <p><u>Yang Zun</u>, Liu Yu, Wang Meng, Zhou Liangji, Zou Wengkang, and Li Feng. Institute of Fluid Physics, CAEP, Mianyang, China</p>
MG-Poster-2-18	<p>The effects of insulator stack inductance on pulse rise time</p> <p><u>Xu Le</u>^{*,**}, Deng Jianjun^{**}, Wang Qiang^{**}, Wang Meng^{**}, and Song Shengyi^{**}. [*] Department of Engineering Physics, Tsinghua University, Beijing, China; ^{**} Institute of Fluid Physics, CAEP, Mianyang, China</p>

MG-Poster-2-19	<p>System designing for surface charge measurement on insulator in vacuum with pulsed voltage</p> <p><u>Li feng</u>, Wang Meng, Chen Lin, Dai Yingmin, Yang Zun, Liu Yu Institute of Fluid Physics, CAEP, Mianyang, China</p>
MG-Poster-2-20	<p>Study on the number of stages influencing the output characteristics of wave erection Marx generator</p> <p><u>Gao Jingming</u>, Liu Yonggui, Liu Jinliang, Yang Jianhua. College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China</p>
MG-Poster-2-21	<p>Multi-point initiation control system of directional warhead using piezoelectric high-voltage converter</p> <p><u>Guo Zerong</u>, Li Huabo, and Bai Chunyu. State Key Laboratory of Explosion Science and Technology, Beijing Institute of Technology, Beijing, China</p>
MG-Poster-2-22	<p>Repetitive pulse insulating properties of castor oil</p> <p><u>Zhang Hua</u>, Zhang Zicheng, and Yang Hanwu. College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China</p>
MG-Poster-2-23	<p>A compact small-size rep-rate gigawatt pulsed power source</p> <p><u>Zhang Zicheng</u>, Zhang Hua, and Yang Hanwu. College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China</p>
MG-Poster-2-24	<p>Experiment of a repetition LTD based on solid-state switch</p> <p><u>Liu Hongwei</u>, Wang Chuanwei, Zhao Yue, Yuan Jianqiang, Liu Jinfeng, Zhou Liangji, Li Hongtao, and Xie Weiping. Institute of Fluid Physics, CAEP, Mianyang, China</p>
MG-Poster-2-25	<p>Insulation character of semi-insulating GaAs under pulsed electric field</p> <p><u>Liu Jinfeng</u>, Liu Hongwei, Zhao yue, Yuan Jianqiang, Wang Chuanwei, Li Hongtao, and Xie Weiping. Institute of Fluid Physics, CAEP, Mianyang, China</p>
MG-Poster-2-26	<p>High-power low-illumination GaAs photoconductive semiconductor switch triggered by a laser diode</p> <p><u>Yuan Jianqiang</u>, Xie Weiping, Li Hongtao, Liu Hongwei, and Liu Jinfeng. Institute of Fluid Physics, CAEP, Mianyang, China</p>
MG-Poster-2-27	<p>Compact Fast-Rise-Time pulse generator</p> <p><u>Fang Dongfan</u>, Sun Qizhi, Dai Wenfeng, Liu Wei, Liu Zhengfen, and Chi Yuan. Institute of Fluid Physics, CAEP, Mianyang, China</p>
MG-Poster-2-28	<p>Circuit simulation of the electromagnetic railgun launch</p> <p><u>Guan Yongchao</u>, Song Shengyi, Zou Wenkang, and Wang Wendou. Institute of Fluid Physics, CAEP, Mianyang, China</p>

<p>MG-Poster-2-29</p>	<p>Radiation strength of quartz glass fibers at their pulsed irradiation with high-energy γ-quanta <u>V.V.Grushko</u>, <u>A.N.Moiseenko</u>, <u>I.M.Markevtshev</u>, <u>V.V.Platonov</u>, <u>O.M.Tatsenko</u>, <u>A.V.Filippov</u>, <u>I.V.Victorov</u>, <u>E.A.Illunin</u>, <u>A.L.Tomashuk*</u>, and <u>V.A.Bogatyrev*</u>. All-Russia Research Institute of Experimental Physics, Sarov, Russia; * SCFO RAS, Moscow, Russia</p>
<p>MG-Poster-2-30</p>	<p>Investigation of a long-pulse and compact Marx generator with peaking rise-time <u>Yang Jianhua</u>, <u>Feng Changshun</u>, and <u>Gao Jingming</u>. College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China</p>
<p>MG-Poster-2-31</p>	<p>A power supply system combined with battery bank and pulsed rectifier for flat-top long-pulsed magnetic field <u>Ding Hongfa</u>, <u>Tong Meng</u>, <u>Liu Weiwei</u>, <u>Li Liang</u>, <u>Duan Xianzhong</u>, and <u>Pan Yuan</u>. Wuhan National High Magnetic Field Center, Huazhong University of Science and Technology, Wuhan, China</p>
<p>MG-Poster-2-32</p>	<p>Theoretical design and experimental studies of a novel compact p-band magnetically insulated transmission line oscillator <u>Zhang Xiaoping</u>, <u>Ren Heming</u>, <u>Yuan Chengwei</u>, <u>Wang Ting</u>, <u>Xu Liurong</u>, and <u>Zhou Shengyue</u>. College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China</p>
<p>MG-Poster-2-33</p>	<p>Observation of microwave radiation from laser-irradiated copper-foil targets <u>Chen Ziyu</u>, <u>Li Jianfeng</u>, and <u>Peng Qixian</u>. Institute of Fluid Physics, CAEP, Mianyang, China</p>
<p>MG-Poster-2-34</p>	<p>Investigation of accelerator with three cathodes <u>Ren Heming</u>, <u>Yang Jianhua</u>, and <u>Zhang Jiande</u>. National University of Defense Technology, Changsha, China</p>
<p>MG-Poster-2-35</p>	<p>A repetitive S-band long-pulse relativistic backward-wave oscillator <u>Jin Zhenxing</u>, <u>Zhang Jun</u>, and <u>Yang Jianhua</u>. College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China</p>
<p>MG-Poster-2-36</p>	<p>HPM generation in atmospheric air <u>Mladen M. Kekez</u> High-Energy Frequency Tesla Inc. (HEFTI), Ottawa, Canada</p>
<p>MG-Poster-2-37</p>	<p>Simulation study on Ku-band SWS HPM generator with low magnetic field <u>Li Chuan</u>, <u>Shu Ting</u>, and <u>Zhang Zehai</u>. College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China</p>
<p>MG-Poster-2-38</p>	<p>A compact single high-power broadband microwave-driven source <u>Li Dan</u>, <u>Yang Hanwu</u>, and <u>Zhang Jiande</u>. College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China</p>

MG-Poster-2-39	<p>Parallel computing implementation and application on CHIPIC-3D <u>Liao Chen</u>, Zhou Jun, and Liu Dagang. University of Electronic Science and Technology of China, Sichuan, China</p>
MG-Poster-2-40	<p>PIC simulation of the high current pulse beam electronic diode <u>Liao shuqing</u>, Dai zhiyong, and Zhang kaizhi. Institute of Fluid Physics, CAEP, Mianyang, China</p>
MG-Poster-2-41	<p>An effective way to preserve x-ray film in the explosive experiment at the diagnostic test bench <u>B. T. Egorychev</u> All-Russia Research Institute of Experimental Physics, Sarov, Russia</p>
MG-Poster-2-42	<p>Design and Simulation of P-Band Magnetically Insulated Line Oscillator <u>Guo Yanhua</u>, Fan Zhikai, He Hu, Chen Daibing, Wang Dong, Qing Fen, and Jin Xiao. Institute of Applied Electronics, CAEP, Mianyang, China</p>
MG-Poster-2-43	<p>Thermal analysis of a repetitive operated high-current beam collector <u>Xun Tao</u>, Zhang Jiande, Yang Hanwu, and Zhang Zicheng. College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China</p>
MG-Poster-2-44	<p>Experimental study for compact high power microwave radiator of wide-band <u>Xie Ping</u>, Liao Yong, Song Falun, Zuo Tingting, Xu Gang, and Zhang Xianfu. Institute of Applied Electronics, CAEP, Mianyang, China</p>
MG-Poster-2-45	<p>Design and preliminary particle simulation of compact P-band relativistic backward wave oscillator <u>Gao Liang</u>, Qian Baoliang, and Ge Xingjun. College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China</p>
MG-Poster-2-46	<p>The radial output cavity effect on the operation in relativistic magnetron <u>Deng Xiaolong</u> , Liu Yonggui. College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China</p>
MG-Poster-2-47	<p>Experiment study on the S-band microwave air breakdown <u>Yang Yiming</u>, Yuan Chengwei, and Qian Baoliang. College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China</p>
MG-Poster-2-48	<p>Effects of vacuum pressures on the performance of a velvet cathode under repetitive high-current pulse discharges <u>Xun Tao</u>, Yang Hanwu, Zhang Jiande, and Zhang Zicheng. College of Optoelectric Science and Engineering, National University of Defense Technology, Changsha, China</p>

MG-Poster-2-49	<p><i>A new idea from the maglev transportation and research on its basic principles</i></p> <p><u>Huang Zixin.</u></p> <p><i>Intelligent Control and Information Processing Institute, Zhejiang University of Technology, Hangzhou, China</i></p>
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