

HTPD 2018**Tuesday 17 April 2018****Session #6, Tuesday Morning Poster Session (10:30-12:31)**

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[180] 6.1 Relative Intensity Calibration of the DIII-D Charge-Exchange Recombination Spectroscopy System Using Neutral Beam Injection into Gas	GRIERSON , B. A. HASKEY, S.R. CHRYSTAL, Colin BURRELL , K. H.	
[243] 6.2 Design of shattered pellet injection system and diagnostics capability on J-TEXT	LI, You CHEN, Zhongyong YANG, Zoujun	
[244] 6.3 Multipoint vertical-Thomson scattering diagnostic on HL-2A tokamak	HUANG, Yuan	
[381] 6.4 Implementing time resolved hot spot electron temperature capability on NIF using a streak camera	KHAN, Shahab JARROTT, Leonard PATEL, Pravesh IZUMI, Nobuhiku MA, Tammy MACPHEE, Andrew HATCH, Benjamin LANDEN, Otto KILKENNY, Joseph BRADLEY, David	
[382] 6.5 Study of the acid phthalates (011), $l < 10$, crystal reflections for quantitative spectroscopic studies	LAKE, Patrick	
[383] 6.6 Study of electron temperature fluctuation evolution with upgraded ECE Imaging on DIII-D	ZHU, Yilun YE, Yu YU, Jo-han TOBIAS, Benjamin PHAM, Anh-Vu WANG, Yan LUO, Chen DOMIER, Calvin KRAMER, Gerrit DIALLO, Ahmed REN, Yang CHEN, Ming NAZIKIAN, Raffi LUHMANN, Neville	
[384] 6.7 Development of Passive Vibration Isolator for the Interferometers on KSTAR	LEE, Kwan Chul	

[385] 6.8 Polycapillary optics for Soft X-Ray transmission in ITER	MAZON, Didier TOURENQ, Sabastien COLETTE, Damien BARNSELEY, Robin O'MULLANE, Martin SIRINELLI, Antoine WALSH, Michael JARDIN, Axel	
[386] 6.9 Synthetic Diagnostic for Assessing Spatial Averaging of Charge Exchange Recombination Spectroscopy Measurements	CHRYSTAL, Colin SULYMAN, Alex HASKEY, Shaun BURRELL, Keith GRIERSON, Brian	
[431] 6.52 A multichannel gated neutron detector with reduced afterpulse rate for neutron time-of-flight measurements in strong x-ray circumstances	ABE, Yuki	
[415] 6.36 Developing a bright high-energy continuum backlighter for EXAFS on NIF	KRYGIER, Andrew COPPARI, Federica KEMP, Gregory Elijah THORN, Daniel EGGERT, Jon PARK, Hye-Sook PING, Yuan REMLINGTON, Bruce SCHNEIDER, Marilyn	
[432] 6.53 Calibration of a Langmuir probe in magnetized plasma using interferometry	USOLTCEVA, Mariia FAUDOT, Eric DEVAUX, Stéphane HEURAU, Stéphane OCHOUKOV, Roman CROMBÉ, Kristel NOTERDAEME, Jean-Marie	
[416] 6.37 First result of dispersion interferometer based on CO2 laser on EAST	LI, Weiming LIU, Haiqing YANG, Yao ZENG, Long YAO, Yuan ZOU, Zhiyong WEI, Xuechao JIE, Yinxian	
[433] 6.54 Frequency sweep linearization of FM reflectometry	SEO, Seong-Heon	
[434] 6.55 Table benchmark and simulation test of EAST MIR system	LIAO, Wang XIE, Jinlin QU, Chengming XU, Xinhang GAO, Feixue KANG, Ning LIU, Xianzi ZHU, Yilun DOMIER, Calvin LUHMAN, Neville	

[417] 6.38 Characterization of Selenium Heα x-ray source on the National Ignition Facility	KRAULAND, Christine BARRIOS, Maria A. THORN, Daniel B. SCHNEIDER, Marilyn B. HALL, Gareth N. LANDEN, Otto L.	
[418] 6.39 The particle time-of-flight (pTOF) detector for high-yield (>1016) implosions at the National Ignition Facility	ADRIAN, P. J. KABADI, N. SIO, H. JOHANSON, M. FRENJE, J. LAHMANN, B. SIMPSON, R. PETRASSO, R. KNAUER, J. GLEBOV, V.	
[435] 6.56 Upper Wide Angle Viewing System Design for ITER	SMILEY, Matthew	
[419] 6.40 An Ion Beam System for Absolute Calibration of Neutral Particle Detectors for C-2W	CLARY, Ryan PERSTIN, Alan KOREPANOV, Sergey KOLMOGOROV, Anton DAVYDENKO, Vladimir IVANOV, Alexander SHULZHENKO, Grigory TAE TEAM, the	
[420] 6.41 Using multiple nToF detectors to determine hot spot velocity	HATARIK, Robert NORA, Ryan C. SPEARS, Brian K. ECKART, Mark J. GRIM, Gary P. HARTOUNI, Edward P. MOORE, Alastair S. SCHLOSSBERG, David J.	
[421] 6.42 Experimental considerations to observe two ionizing fronts in systems with a sharp absorption edge	KEITER, Paul VANDERVORT, Robert THRANTHAM, Matt DRAKE, R. Paul	
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[427] 6.48 Internal Magnetic Field Measurements of Translated and Merged Field-Reversed Configuration Plasmas in the FAT-CM Device	GOTA, Hiroshi ISHIWATA, Junpei TANAKA, Fumiyuki HOSOZAWA, Akiyoshi ASAI, Tomohiko TAKAHASHI, Tsutomu SEKIGUCHI, Junichi ROCHE, Thomas DETRICK, Sean MOK, Yung BINDERBAUER, Michl TAJIMA, Toshiki	

<p>[423] 6.44 Laser and pulsed power x-ray backlighters for electron density imaging using a Talbot-Lau x-ray deflectometer</p>	<p>VALDIVIA, Maria Pia VELOSO, F. STUTMAN, D. STOECKL, C. MILEHAM, C. BEGISHEV, I. A. THEOBALD, W. KLEIN, S. R. VESCOVI, M. MUÑOZ-CORDOVEZ, G. VALENZUELA-VILLASECA, V. CASNER, A. KOENIG, M. ALBERTAZZI, B. MABEY, P. MICHEL, T. RIGON, G. PIKUZ, S. BROMAGE, J. REGAN, S.P.</p>	
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<p>[424] 6.45 Application of a hall sensor to pulse magnetic field measurement in the FAT-CM FRC experiments</p>	<p>HOSOZAWA, Akiyoshi SEKIGUCHI, Junichi ASAI, Tomohiko TAKAHASHI, Tsutomu</p>	
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<p>[394] 6.15 Fiber-Optic Pulsed Polarimetry Measurements of DIII-D Poloidal Field</p>	<p>KIMURA, Wayne DHILLON, Dilraj STRAIT, Edward MUNARETTO, Stefano DU, Detao LORANGER, Sebastien BOISVERT, Jean-Sebastien KASHYAP, Raman</p>	

<p>[395] 6.16 Design of Langmuir probe diagnostic system for the upgraded lower tungsten divertor in EAST tokamak</p>	<p>XU, Jichan WANG, Liang XU, Guosheng XIE, Hai FENG, Wei LIU, Jianbin DENG, Guozhong YAO, Damao LUO, Guangnan GUO, Houyang</p>	
<p>[396] 6.17 Extracting the turbulent flow-field using velocimetry analysis</p>	<p>KRIETE, Matt MCKEE, George FONCK, Raymond SMITH, David YAN, Zheng</p>	
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<p>[399] 6.20 The upgraded JET Gamma-ray Camera based on high resolution/high count rate compact spectrometers</p>	<p>RIGAMONTI, Davide BROSLAWSKI, Andrzej FERNANDES, Ana FIGUEIREDO, Joao GIACOMELLI, Luca GORINI, Giuseppe GOSK, Marcin KAVENEY, Garry KIPTILY, Vasili KOROLCZUK, Stefan MURARI, Andrea NOCENTE, Massimo PEREIRA, Rita Costa POPOVICHEV, Sergey URBAN, Arkadiusz ZYCHOR, Izabella TARDOCCHI, Marco CONTRIBUTORS, JET</p>	
<p>[400] 6.21 Development of a New Reflectometry Endstation for Crystal Calibrations using Synchrotron Light Sources</p>	<p>STOLTE, Wayne WU, Ming WEBER, Franz MOY, Ken KRUSCHWITZ, Chris LAKE, Pat BOURDON, Chris</p>	
<p>[402] 6.23 Development of high speed full digital processing phase detector for interferometry</p>	<p>MINAMI, Takashi ITO, Yasuhiko OHTANI, Yoshiaki OHSHIMA, Shinsuke NAGASAKI, Kazunobu NAKANISHI, Hideya YASUHARA, Ryo FUNABA, Hisayoshi YAMADA, Ichihiro AKIYAMA, Tsuyoshi</p>	
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<p>[425] 6.46 Results of commissioning experiments using the NIF Optical Thomson Scattering VUV Spectrometer</p>	<p>SWADLING, George ROSS, James Steven DATTE, Philip GALBRAITH, Justin MANUEL, Anastasia FREIDERS, Gene VERGEL DE DIOS, Gene MOODY, John</p>	
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[407] 6.28 Development of a HELIOS Diagnostic using a Fast Piezoelectric Valve for the Prototype Material Plasma Exposure eXperiment	RAY, Holly BIEWER, Theodore CANESSES, Juan GREEN, Jonathan MCQUOWN, Levon SCHMITZ, Oliver	
[401] 6.22 Study of the spatial localization of ECE measurement in LHW-heated plasmas	ZUO, Yushu LIU, Yong ZHOU, Tianfu FIGINI, Lorenzo TI, Ang ZHAO, Hailin LING, Bili	
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[409] 6.30 The LLNL warm electron beam ion trap (WEBIT): An instrument for calibrating space-borne X-ray spectrometers	LOCKARD, T.E. MAGEE, E.W. BROWN, G.V. HELL, N. LEUTENEGGER, M.A. ECKART, M. E. BEIERSDORFER, P.	
[410] 6.31 Millimeter-Wave Far-Forward Scattering for Density Fluctuation Measurements on LTX-β	KUBOTA, Shigeyuki MAJESKI, R. BOYLE, D.P. KAITA, R. KOZUB, T. MERINO, E. NGUYEN, X.V. PEEBLES, W.A. RHODES, T.L.	
[428] 6.49 Real-time phase calibration of the DIII-D density profile reflectometer system	ZENG, L WANG, G RHODES, T.L. PEEBLES, W.A. SUNG, C	
[411] 6.32 Pixel-to-pixel variation on a calibrated PILATUS3-based multi-energy soft x-ray detector	VANMETER, Patrick DELGADO-APARICIO, Luis Felipe REUSCH, Lisa PABLANT, Novimir MADDOX, Jake RISSI, Michael LUETHI, Benjamin HILL, Kenneth DEN HARTOG, Daniel	
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[387] 6.10 Inverse estimate of the perturbation current density profile of the interchange mode from the magnetic probe measurement in LHD	OHDACHI, Satoshi	
[388] 6.11 High temperature measurement using Neon-like Xenon lines on X-ray crystal spectrometers on EAST	LYU, Bo CHEN, Jun DELGADO-APARICIO, Luis WANG, Qiuping DU, Xuewei SHEN, Jin YANG, Xinshuai WANG, Fudi FU, Jia LI, Yingying BITTER, Manfred HILL, Kenneth LEE, Songgon SHI, Yuejiang WAN, Baonian YE, Minyou	
[389] 6.12 Dual-laser wavelength Thomson scattering at Wendelstein 7-X	PASCH, Ekkehard BEURKENS, Marc BOZHENKOV, Sergey FUCHERT, Golo WOLF, Robert	
[390] 6.13 A combined mmwave and CO2 interferometer on the C-2W Jet plasma	SMITH, Roger J TAE TEAM	
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[414] 6.35 Qualification of implanted depth markers for erosion and deposition studies in fusion experiments	KESLER, Leigh Ann HARTWIG, Zach MAINGI, Rajesh WHYTE, Dennis WRIGHT, Graham WOLLER, Kevin	
[430] 6.51 Imaging of Divertor Strike Point Splitting in RMP ELM Suppression Experiments	MOYER, Richard BYKOV, I.O. ORLOV, D.M. EVANS, T.E. LEE, J.S. TEKU, A.M. FENSTERMACHER, M.E. MAKOVSKI, M. WANG, H.Q. WATKINS, J. WU, W.	