

HTPD 2018**Tuesday 17 April 2018****Session #8, Tuesday Afternoon Poster Session (16:00-18:00)**

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[247] 8.3 OMEGA Supersonic Gas-Jet Plasma Characterization with Thomson Scattering	HANSEN, Aaron HABERBERGER, Daniel FROULA, Dustin	
[249] 8.5 Forward modeling for the development of a Laser-Induced Rydberg Spectroscopy diagnostic on NSTX-U	REYMOND, Loïc DIALLO, Ahmed VEKSELMAN, Vladislav	
[250] 8.6 Preliminary design on diagnostic port plug for CFETR	LI, Gongshun YANG, Yao GAO, Xiang LI, Jiangang LIN, Xiaodong HUANG, Jianjun SUN, Huibin LI, Guoqiang HU, Qingsheng WANG, Yumin HAN, Xiang LIU, Shaocheng WANG, Erhui	
[253] 8.9 Simultaneous measurements of turbulent Reynolds stresses and particle flux in both parallel and perpendicular directions in a linear magnetized plasma device	CHAKRABORTY THAKUR, Saikat HONG, Rongjie TYNAN, George	
[246] 8.2 In-situ surface diagnostics for magnetic fusion	WANG, Zhehui ABRAMS, Tyler BREZINSEK, Sebastijan DONNELLY, Vincent HOFFBAUER, Mark HU, Zhenhua LANG, Peter LUO, Guangnan WANG, Yongqiang WOLLER, Kevin	

<p>[252] 8.8 Helicon Power Source Analysis of the Prototype Material Exposure eXperiment (Proto-MPEX) using Fluoroptic Probes*</p>	<p>SHOWERS, M. BIEWER, T.M. CANESSES, J.F. CAUGHMAN, J.B.O. DONOVAN, D.C. GOULDING, R.H. LUMSDAINE, A. KAFLE, N. OWEN, L. RAPP, J.</p>	
<p>[248] 8.4 Development for neutron emission spectroscopy diagnostics for EAST Deuterium operation</p>	<p>FAN, Tieshuan GE, Lijian HU, Zhimeng ZHANG, Yimo SUN, Jiaqi PENG, Xingyu DU, Tengfei CHEN, Zhongjing XIE, Xufei ZHANG, Xing YUAN, Xi LI, Xiangqing CHEN, Jinxiang ZHONG, Guoqiang HU, Linqun LIN, Shiyao WAN, Baonian GORINI, Giuseppe NOCENTE , Massimo TARDOCCHI, Marco KALLNE , Jane</p>	
<p>[251] 8.7 Time-Resolved and Multiple-Angle Thomson Scattering on Gas Puff Z-Pinch Plasmas</p>	<p>ROCCO, Sophia BANASEK, Jacob POTTER, William HAMMER, David</p>	
<p>[324] 8.25 Application of the VUV and the soft X-ray systems on JET for the study of intrinsic impurity behavior during neon seeded ILW hybrid discharges</p>	<p>KRAWCZYK, Natalia CZARNECKA, Agata IVANOVA-STANIK, Irena ZAGÓRSKI, Roman CHALLIS, Clive SILBURN, Scott GIROUD, Carine GRAVES, Jonathan MANTSINEN, Mervi FRIGIONE, Domenico</p>	
<p>[347] 8.48 Design of a CR-39 Based Compact DD Neutron Spectrometer for Measuring Yield, Ion Temperature, and Areal Density on the Z</p>	<p>LAHMANN, Brandon GATU-JOHNSON, Maria FRENJE, Johan SEGUIN, Fredrick PETRASSO, Richard HAHN, Kelly JONES, Brent</p>	
<p>[330] 8.30 First time-resolved electron density measurements in the C-2W Advanced Field Reversed Configuration plasmas from long-path compact second-harmonic interferometer</p>	<p>BEALL, Michael SHEFTMAN, Daniel THE TAE TEAM</p>	
<p>[346] 8.47 Upgrades to Thomson Scattering Detectors at General Fusion</p>	<p>WILLIAM , Young</p>	

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[256] 8.12 Relative intensity calibration of KSTAR beam emission spectroscopy by using fast visible CMOS camera	KIM, Jaewook NAM, Yong-un LAMPERT, Mate ZOLETNIK, Sandor GHIM, Young-chul	
[260] 8.16 Single-shot, laser-driven x-ray powder diffraction measurements using polycapillary optics to improve laser-to-x-ray conversion efficiency	SCHOLLMEIER, Marius AO, Tommy FIELD, Ella KALITA, Patricia KIMMEL, Mark MORGAN, Dane RAMBO, Patrick SCHWARZ, Jens SHORES, Jonathon SMITH, Ian SPEAS, Christopher PORTER, John	
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[320] 8.21 Development of a spectroscopic diagnostic tool for electric field measurements in IShTAR	KOSTC, Ana DUX, Ralph CROMBÉ, Kristel OCHOUKOV, Roman NIKIFOROV, Anton SHESTERIKOV, Ilya MARTIN, Elijah NOTERDAEME, Jean-Marie	
[323] 8.24 A new method to reconstruct the Bp profile in the Laser-driven Ion-beam Trace Probe (LITP) diagnostics	YANG, Xiaoyi	
[326] 8.26 Diagnosing fuel areal-density asymmetries using knock-on deuteron spectra for the 1D campaign at the OMEGA laser facility	SIMPSON, Raspberry FRENJE, Johan LAHMANN, Brandon GATU-JOHNSON, Maria PETRASSO, Richard FORREST, Chad KNAUER, James REGAN, Sean	

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[332] 8.32 Calibration and applications of imaging diagnostics on the C-2U advanced beam-driven field-reversed configuration device	GRANSTEDT, Erik FALLAH, D. THOMPSON, M. THE TAE TEAM	
[333] 8.33 Signal-to-background ratio of a Thin foil Proton Recoil neutron spectrometer at ITER	MARCINKEVICIUS, Benjaminas HJALMARSSON, Anders SUNDÉN, Erik Andersson ERICSSON, Göran	
[336] 8.37 Measuring non-axisymmetric fields from internal and external sources in the DIII-D tokamak*	STRAIT, Edward SWEENEY, Ryan	
[338] 8.39 Characterizing the modulation transfer function for X-ray radiography for HED experiments	PARK, Hye-Sook KRYGIER, A. HUNTINGTON, C. M. MCNANEY, J. M. GUMBRELL, E.	
[341] 8.42 Measurements of Formation Dynamics in a Multi-Pulse Compact Toroid Injector System	ALLFREY, Ian MATSUMOTO, Tadafumi ROCHE, Thomas GOTA, Hiroshi GARATE, Eusebio THE TAE TEAM	
[342] 8.43 Real-time Dispersion Interferometry for Density Feedback in Fusion Devices	BRUNNER, Kai Jakob AKIYAMA, Akiyama HIRSCH, Matthias KNAUER, Jens KORNEJEW, Petra KURSINSKI, Beate LAQUA, Heike MEINICKE, Jens TRIMINO-MORA, Humberto WOLF, Robert C.	
[343] 8.44 Micro Ion Spectrometer for Fusion Plasma Boundary Measurements	KEESEEE, Amy SCIME, Earl ELLISON, Steve TERSTEEG, Joe DUGAS, Matt	
[344] 8.45 Motional Stark effect imaging first results on DIII-D	THORMAN, Alex MICHAEL, Clive HOWARD, John VICTOR, Brian HOLCOMB, Chris ALLEN, Steve	

[345] 8.46 Solid State Streak Camera Prototype Electronic Performance Testing and Improvements to Dynamic Range	OPACHICH, Yekaterina MACNEIL, Lawrence PORTER, John HEINMILLER, James ALICIA, Alarie KIMMEL, Mark LONG, Joel QUINN, Looker MAX, Don STAHOVIAK, John WALTMAN, Thomas	
[348] 8.49 High Resolution Magnetic Field Measurements in Hydrogen and Helium Plasmas using Active Laser Spectroscopy	ZAFAR, Abdullah MARTIN, Elijah SHANNON, Steve	
[354] 8.52 Electron-lattice coupling in femtosecond laser excited matter	MO, Mianzhen BECKER, Valerie KWASI OFORI-OKAI, Benjamin CHEN, Zhijiang WITTE, Bastian SHEN, Xiaozhe LI, Renkai WANG, Xijie GLENZER, Siegfried	
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[334] 8.34 Characterization of Biermann-Battery field advection in NIF cylindrical geometry targets	POLLOCK, Bradley MOORE, Alastair MEEZAN, Nathan KANE, Jave STROZZI, David WILKS, Scott HO, Darwin LOGAN, Grant FARMER, William ROSEN, Mordecai HERRMANN, Mark MOODY, John	

[255] 8.11 JET Diagnostic Enhancements Testing and Commissioning in Preparation for DT Operations	FIGUEIREDO, Joao MURARI, Andrea PEREZ VON THUN, Christian MAROCCO, Daniele TARDOCCHI, Marco BELLI, Francesco GARCÍA MUÑOZ, Manuel SILVA, Antonio CRACIUNESCU, Teddy BLANCHARD, Patrick BALBOA, Itziar HAWKES, Nick CARVALHO, Ivo Samuel TAL, Balazs BERNARDO, João ZYCHOR, Izabella	
[258] 8.14 Solid-state framing camera operating in interferometric mode	BAKER, Kevin STEELE, Paul STEWART, Rick VERNON, Steve HSING, Warren REMYNGTON, Bruce	
[259] 8.15 Synthetic Diagnostic for Electron Cyclotron Emission Imaging	CHEN, Ming ZHU, Yilun SHI, Lei LUO, Chen LUHMANN, Neville. C.	
[316] 8.17 Measurement and modeling of bent and flat KAP (001) reflectivity	KRUSCHWITZ, Craig WU, Ming STOLTE, Wayne MOY, Ken LOISEL, Guillaume	
[318] 8.19 Design of tangential multi-energy soft x-ray pin-hole cameras for tokamak plasmas	YAMAZAKI, Hibiki DELGADO-APARICIO, Luis F. GROEBNER, Rich HILL, Kenneth PABLANT, Novimir STRATTON, Brentley EFTHIMION, Philip TAKASE, Yuichi EJIRI, Akira ONO, Masayuki	
[321] 8.22 Design Development of ITER Divertor Langmuir Probes	WATTS, Christopher ZHAO, Wei ZHONG, Guangwu JIN, Yuzhong	
[322] 8.23 Forward weight matrix derivation through Monte-Carlo ray-tracing of KSTAR IRVB	OH, Seungtae JANG, Juhyeok PETERSON, Byron CHOE, Wonho HONG, Suk-Ho	

[327] 8.27 Plasma image acquisition and position detection by using visible camera on EAST	SHU, Shuangbao LIU, Chao LIU, Dongmei CHEN, Meiwen ZHANG , Yuzhong LI, Xin	
[331] 8.31 A Divertor Scraper Observation System for Wendelstein 7-X	WURDEN, Glen FELLINGER, Joris DREWELow, Peter FORD, Oliver GAMRADT, Marc GREVE, Henry JAKUBOWSKI, Marcin JENZSCH, Hartmut NIEMANN, Holger PUIG SITJES, Aleix THE W7-X TEAM	
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[335] 8.36 Magnetic Diagnostic Suite of the C-2W Field-Reversed Configuration Experiment	ROCHE, T. THOMPSON, M. C. GRISWOLD, M. KNAPP, K. KOOP, B. OTTAVIANO, A. TOBIN, M. THE TAE TEAM	
[340] 8.41 The Engineering Challenges And Options For Fielding The Next Generation Gas Cherenkov Detectors At The National Ignition Facility	LOPEZ, Frank HERRMANN, H.W. PEDERSON, B.J. STEINFELD, B.C. POLK, P.J. KLINE, J.L. OERTEL, J.A. KIM, Y.H. ZYLSTRA, A.B. MEANEY, K.D. GEPPERT-KLEINRATH, H. HIBBARD, R.L. HERNANDEZ, J.E. CARRERA, J.A. KHATER, H.Y. SITARAMAN, S. HORSFIELD, C.J. RUBERY, M.S. GALES, S. LEATHERLAND, A. HILSABECK, T. KILKENNY, J.D. MALONE, R.M. HARES, J.D. DYMOKE-BRADSHAW, A.K.L. MILNES, J.	

[337] 8.38 FIDA Diagnostic Development for the C-2W Field-Reversed Configuration Plasma	BOLTE, Nathan NATIONS, Marcel GUPTA, Deepak	
[339] 8.40 Experimental Tests of an Infrared Video Bolometer on Alcator C-Mod	MATTHEW, Reinke TERRY, James VAN EDEN, Stein PETERSON, Byron MUKAI, Kiyofumi GRAY, Travis STRATTON, Brent	
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[349] 8.50 High-energy differential-filtering photon spectrometer for ultraintense laser-matter interactions	WILLIAMS , Jackson TOMMASINI , Riccardo RYBA , Brian CHEN , Hui	
[353] 8.51 Impact of Response Function Uncertainty and Gamma Backgrounds on Measurements from Cerenkov Detectors at the National Ignition Facility (NIF)*	HARTOUNI, Edward BEEMAN, Bart ECKART, Mark GRIM, Gary HATARIK, Robert MOORE, Alastair RUBERY, Michael SAYRE, Daniel SCHLOSSBERG, David WALTZ, Cory	
[357] 8.55 Experimental comparison of spherically bent HAPG and Ge crystal	HELL, Natalie LOCKARD, Tom BEIERSDORFER, Peter MAGEE, Ed W. BROWN, Greg V. SHEPHERD, Ronny ARTHANAYAKA, Thusitha	
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[257] 8.13 Ion cyclotron emission (ICE) study on the ASDEX Upgrade tokamak

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MCCLEMENTS, Ken
MOSEEV, Dmitry
NIELSEN, Stefan
SCHNEIDER, Philip
WEILAND, Markus
NOTERDAEME,
Jean-Marie