

HTPD 2018**Thursday 19 April 2018****Session #14. Thursday Morning Poster Session (10:30-12:31)**

[id] title	presenter	board
[261] 14.1 High Resolution (> 12,000) X-Ray Spectroscopy in the 6-100 keV Range	Dr SEELY, John Dr HUDSON, Larry Dr HENINS, Albert Dr FELDMAN, Uri	
[262] 14.2 Tracer-Encapsulated Solid Pellet (TESPEL) Injection System for Wendelstein 7-X	Dr BUSSIAHN, René Dr MCCARTHY, Kieran Joseph Dr BURHENN, Rainer Mr HAYASHI, Hiromi Mr LAUBE, Ralph Prof. KLINGER, Thomas	
[263] 14.3 A support vector regression method for efficiently determining neutral profiles from LIF data	Dr FISHER, Dustin M. PATEL, Deep KELLY, Ralph F. GILMORE, Mark	
[264] 14.4 Magnetic Perturbation Diagnostics in the High-Temperature, Lithiated Environment of LTX-β	HUGES, P. E. MAJESKI, R. KAITA, R. KOZUB, T. HANSEN, C. BOYLE, D. P.	
[265] 14.5 Visible tomography diagnostic in NIO1 negative ion source: development and preliminary results	BROMBIN, Matteo AGOSTINI, Matteo SERIANNI, Gianluigi UGOLETTI, Margherita VELTRI, Pierluigi PASQUALOTTO, Roberto	
[266] 14.6 Development of the multi-channel Motional Stark Effect diagnostic on the EAST tokamak	FU, J B., Lyu HOLCOMB, C.T. KO, J. WEI, Y.Q. LIU, D.M. LI, Y.Y. LIAO, K.T. ROWAN, W.L. HUANG, H. ZHI, Y.Q. YU, Q. J. WU, Z.W. WAN, B.N.	

[267] 14.7 Analysis of metallic impurity content by means of VUV and SXR diagnostics in the presence of ICRF induced hot-spot on the JET-ILW poloidal limiter	CZARNECKA, Agata KRAWCZYK, Natalia JACQUET, Philippe LERCHE, Ernesto BOBKOV, Volodymir CHALLIS, Clive FRIGIONE, Domenico GRAVES, Jonathan LAWSON, Kerry D. MANTSINEN, Mervi MENESES, Luis PAWELEC, Ewa PÜTTERICH, Thomas SERTOLI, Marco VALISA, Marc VAN EESTER, Dirk	
[268] 14.8 Fast computation of 3D distribution of neutral density from neutral beam injection in toroidal plasmas	LIU, Deyong HEIDBRINK, W. W. BELL, R. E.	
[269] 14.9 Velocity-space tomography using prior information at MAST	MADSEN, Birgitte SALEWSKI, Mirko JONES, Owen JACOBSEN, Asger HUANG, Juan MCCLEMENTS, Ken	
[284] 14.23 Local diffraction in spherically curved crystals characterized with synchrotron radiation	PEREIRA, N. R. MACRANDER,, A. T. STOECKL, C. BARONOVA, E.O.	
[299] 14.39 Development of Charge Exchange Recombination Spectroscopy Diagnostics for the C-2W Field-Reversed Configuration Plasma	GUPTA, Deepak OSIN, Dima CONNAUGHTON, Mark SHEFTMAN, Daniel THOMPSON, Matthew	
[287] 14.27 First Results from a High Time-Resolution Thomson Scattering System Applied to Pellet Fuelled Wendelstein 7-X Plasmas	DAMM, Hannes BALDZUHN, Jürgen BOZHENKOV, Sergey DINKLAGE, Andreas FUCHERT, Golo PASCH, Ekkehard SCOTT, Evan WOLF, Robert	
[289] 14.29 Multichannel X-Ray Hot-Spot Imager Operating in the 5- to 30-keV Range on OMEGA	SHAH, Rahul CAO, D. EPSTEIN, R. REGAN, S.P. THEOBALD, W. KRAUS, B. GAO, L. HILL, K. STRATTON, B. EFTHIMION, P. BACHMANN, B.	

[294] 14.34 The Single Line-of-Sight, Time-Resolved X-Ray Imager on OMEGA	<p>WOLFGANG, Theobald SORCE, Charles BEDZYK, Mark IVANCIC, Steven T. MARSHALL, Frederic J. STOECKL, Christian SHAH, Rahul C. LAWRIE, Michael REGAN, Sean P. SANGSTER, T. Craig CAMPBELL, E. Michael HILSABECK, Terry ENGELHORN, Kyle KILKENNY, Joe D. MORRIS, Dean CHUNG, Mark HARES, Jonathan D. DYMOKE BRADSHAW, Anthony K. L. BELL, Perry M. CELESTE, John R. CARPENTER, Arthur C. DAYTON, Matthew BRADLEY, Dave K. JACKSON, Mark C. PICKWORTH, Louisa A. NAGEL, Sabrina ROCHAU, Greg PORTER, John SANCHEZ, Marcos CLAUS, Liam ROBERTSON, G. LOOKER, Q.</p>	
[298] 14.38 The Lawrence Livermore National Laboratory X-ray Optic Calibration Facility	<p>KOZIOZIEMSKI, Bernard J. AYERS, Jay BELL, Perry BRADLEY, David K. DESCALLE, Marie-Anne HAU-RIEGE, Stefan MCCARVILLE, Thomas PARDINI, Tom PICKWORTH, Louisa A VOGEL, Julia K. AMPLEFORD, David J. BALL, Christopher R. BOURDON, Chris J. FEIN, Jeffery R. MU, Ming</p>	
[270] 14.10 Preliminary test of the Laser-driven Ion-beam Trace Probe in the PKU Plasma Test device	<p>XIAO, Chijie YANG, Xiaoyi CHEN, Yihang XU, Tianchao YU, Yi XU, Min WANG, Long LIN, Chen</p>	

[272] 14.12 A large-aperture high-sensitivity avalanche image intensifier panel	ARIKAWA, Yasunobu MATSUBARA, Shuto KISHIMOTO, Hidetaka ABE, Yuki YOGO, Akifumi NAKAI, Mitsuo SHIRAGA, Hiroyuki NISHIMURA, Hiroaki	
[293] 14.33 Loss Electron Diagnostic Systems for Measurements of High Intermittent Heat Flux in GAMMA 10 Tandem Mirror	MINAMI, Ryutaro KARIYA, Tsuyoshi IMAI, Tsuyoshi NUMAKURA, Tomoharu KAJINO, Satoshi OKADA, Maki HOJO, Toshitaka MOTOYOSHI, Fumiya ENDO, Yoichi NAKASHIMA, Yousuke OKADA, Maki	
[285] 14.25 In-situ wavelength calibration system for the X-ray Imaging Crystal Spectrometer (XICS) on W7-X	KRING, James PABLANT, Novimir LANGENBERG, Andreas RICE, John DELGADO-APARICIO, Luis MAURER, David TRAVERSO, Peter BITTER, Manfred HILL, Ken REINKE, Matt	
[292] 14.32 High resolution, high signal-to-noise crystal spectrometer for measurements of line shifts in high-density plasmas	BEIERSDORFER, Peter	
[273] 14.13 Fast ion D-alpha measurements using a bandpass-filtered system (f-FIDA) on EAST	JUAN, Huang	
[276] 14.16 Novel quasi-optical front end for optimized cross-polarization scattering for magnetic turbulence measurements on the DIII-D tokamak	RHODES, T.L. LANTSOV, R. WANG, G. PEEBLES, W. A.	
[277] 14.17 Bayesian based missing input imputation scheme for neural network reconstructing magnetic equilibria in real time	JOUNG, Semin KWAK, Sehyun JEON, Y.M. HAHN, S.H. HAN, H.S. KIM, H.S. BAK, J.G. LEE, S.G. GHIM, Y.-c.	
[278] 14.18 Design, construction and installation of a multi-energy soft x-ray (SXR) pinhole camera in the Madison Symmetric Torus (MST)	DELGADO-APARICIO, Luis F. WALLACE, J. YAMAZAKI, H. VANMETER, P.	

<p>[279] 14.19 Calibration of Proton Dispersion for the NIF Electron Positron Proton Spectrometer (NEPPS) for short-pulse laser experiments on the NIF ARC</p>	<p>MARISCAL, Derek MA, Tammy WILLIAMS, Jackson CHEN, Hui LEMOS, Nuno KERR, Shaun COLLEONI, Pierre NEELY, David</p>	
<p>[281] 14.21 Validation of the foil-on-hohlraum technique for the Magnetic Recoil Spectrometer for time-resolved neutron measurements at the National Ignition Facility</p>	<p>PARKER, Cody FRENJE, Johan WINK, Christopher GATU JOHNSON, Maria LI, Chikang SEGUIN, Fredrick PETRASSO, Richard HILSABECK, Terance KILKENNY, Josphe REYNOLDS, Hannah SCHOFF, Michael SCHLOSSBERG, David BIONTA, Richard CASEY, Daniel FELKER, Sean</p>	
<p>[282] 14.22 Measurements of local magnetic field and Ar-I metastable neutral velocity distributions using LIF</p>	<p>THOMPSON, Derek S. STEINBERGER, Thomas E. KEESEEE, Amy M. HENRIQUEZ, Miguel F. SCIME, Earl E.</p>	
<p>[283] 14.24 Simultaneous High-k Scattering and Microwave Imaging Reflectometry on NSTX-U</p>	<p>BARCHFELD, Robert DOMIER, Calvin ZHU, Yilun DANNENBERG, Jon REN, Yang KAITA, Robert LUHMANN, JR., N.C.</p>	
<p>[271] 14.11 High resolution gamma-ray spectrometer with MHz capabilities for runaway electron studies at ASDEX Upgrade</p>	<p>NOCENTE, Massimo SHEVELEV, Alexander GIACOMELLI, Luca PAUTASSO, Gabriella TARDOCCHI, Marco GIN, Dmitry GOBBIN, Marco GORINI, Giouseppe FERNANDES, Ana HERRMAN, Albrecht KHILKEVITCH, Evgeniy PAPP, Gergely PEREIRA, Rita Costa TARDINI, Giovanni VALISA, Marco</p>	

[286] 14.26 The impacts of RMP coils on the magnetic measure and application in the control of plasma position in J-TEXT	HUANG, Zhuo DING, Yonghua WANG, Nengchao RAO, Bo LI, Da LI, Mao	
[288] 14.28 Tomographic reconstruction of AXUV radiations during disruptions on J-TEXT	LI, Wei CHEN, Zhongyong TONG, Ruihai ZHANG, Ruihai ZHANG, Xiaolong CHENG, Zhifeng YANG, Zhounjun	
[290] 14.30 One Dimensional Imager of Neutrons (ODIN) on the Z machine	AMPLEFORD, David RUIZ, Carlos FITTINGHOFF, David ALBERTO, Perry	
[295] 14.35 Upgrade on DIII-D neutron measurements utilizing ultra-fast digitization and pulse identification techniques	ZHU, YUBAO HEIDBRINK, WILLIAM FINKENTHAL, DANIEL COLIO, ALAN TAYLOR, PETER CARRIG, WILLIAM PENAFLO, BENJAMIN PIGLOWSKI, DAVID	
[296] 14.36 Advancements of quasi-optical system for Electron Cyclotron Emission Imaging diagnostic on J-TEXT tokamak	XIE, Xianli YANG, Zhoujun PAN, Xiaoming ZHOU, Jing ZHOU, Hao ZHUANG, Ge	
[297] 14.37 Visible Spectroscopy Diagnostics For W Source Assessment In The West Tokamak: First Measurements	MEYER, Olivier GIACALONE, Jean-Claude GOUIN, Alexandre PASCAL, Jean-Yves FEDORCZAK, Nicolas LOTTE, Philippe KLEPPER, Christopher UNTERBERG, Ezekial FEHLING, Dan HARRIS, Jeffrey	
[301] 14.41 Development and characterization of liquid argon and methane microjets for high-rep-rate laser-plasma experiments	KIM, Jongjin SCHOENWAELDER, Christopher GLENZER, Siegfried	
[302] 14.42 Characterization of photodetector temporal response for neutron time-of-flight (nToF) diagnostics at the National Ignition Facility	GORDON, Joseph DATTE, Philip DURAND, Cassandra ECKART, Mark GRIM, Gary HARTOUNI, Edward HATARIK, Robert MOORE, Alastair SCHLOSSBERG, David	

[303] 14.43 Zeff Measurements and Spectroscopic Impurity Survey on the C-2W Field-Reversed Configuration Plasma	NATIONS, Marcel GUPTA, Deepak BOLTE, Nathan THOMPSON, Matthew C.	
[304] 14.44 A novel x-ray crystal spectrometer for the diagnosis of high energy density plasmas at the National Ignition Facility	BITTER, M. HILL, K. W. GAO, Lan KRAUS, B. EFTHIMION, P. C. SCHNEIDER, M. COPPARI, F. KAUFFMAN, R. MCPHEE, A. THORN, D.	
[274] 14.14 Design of combined optical system of ECEI and MIR on the EAST	QU, Chengming XIE, Jinlin LIAO, Wang XU, Xinhang GAO, Feixue KANG, Ning LIU, Xianzi ZHU, Yilun	
[305] 14.45 High-speed data acquisition system based on FPGA for Tokamak	SHU, Shuangbao WANG, Le LIU, Dongmei CHEN, Meiwen ZHANG , Yuzhong	
[306] 14.46 Real-time dynamic processing analysis for the Motion Stark Effect diagnostic signal on EAST	LIU, D.M. HOU, X.L. SHU, S.B. FU, J. WAN, B.N. LYU , B. WU, Z.W. HOLCOMB, C.T. KO, J. ROWAN, W.L. HUANG, H. LIU, L.C.	
[308] 14.48 Modal analysis of magnetic probe array data with method of Stochastic Subspace Identification in the J-TEXT tokamak	LI, Jianchao ZHANG, Xiaoqing GAO, Xiang LI, Jiangang LIN, Xiaodong HUANG, Jianjun SUN, Huibin LI, Da DING, Yonghua HUANG, Zhuo LIANG, Yunfeng	

[309] 14.49 Plasma impurities observed by a pulse height analysis diagnostic during the divertor campaign of the Wendelstein 7-X stellarator	MONIKA, Kubkowska CZARNECKA, Agata FORNAL, Tomasz GRUCA, Marta KRAWCZYK, Natalia JABLONSKI, Slawomir RYC, Leszek THOMSEN, Henning NEUNER, Ulrich MCCARTHY, Kieran WEGNER, Thomas	
[311] 14.53 Nd:YAG laser Thomson scattering diagnostics for laboratory magnetosphere	KENMOCHI, Naoki NISHIURA, Masaki YOSHIDA, Zensho	
[312] 14.52 Development of a new compact gamma-ray spectrometer optimised for runaway electron measurements	DAL MOLIN, Andrea MARTINELLI, Lorenzo NOCENTE, Massimo RIGAMONTI, Davide ABBA, Andrea GIACOMELLI, Luca GORINI, Giuseppe LVOVSKIY, Andrei MURARO, Andrea TARDOCCHI, Marco	
[313] 14.51 Commissioning of stilbene scintillation detector for vertical neutron camera in the Large Helical Device	KAWASE, Hiroki OGAWA, Kunihiro NISHITANI, Takeo MATSUYAMA, Shigeo MURATA, Isao ISOBE, Mitsutaka	
[314] 14.54 Analysis of Edge Passive Emission in Charge Exchange Recombination Spectra on EAST Tokamak	CHEN, Ze LI, Yingying WANG, Huajie MAO, Shifeng YU, Yi LIU, Xiaoju FU, Jia LYU, Bo YE, Minyou	
[315] 14.55 Development of a time-of-flight low-energy neutral particle analyzer on EAST tokamak	MU, Lei DING, Rui ZHU, Yubao CHEN, Junling	
[275] 14.15 Electrode Coating Deposition System for MCPs used in Time- and Space-Resolved X-ray Imaging and Spectral Diagnostics at the SNL Z Machine	MOY, Ken KEENAN, Tom MAX, Don TORES, Gabe OPACHICH, Yekaterina MACNEIL, Larry WU, Ming ROCHAU, Greg BOURDON, Chris POND, Travis PRESURA, Radu TRINH, Tung GEORGESON, Eric	

<p>[280] 14.20 Radio Frequency Measurements of Energetic Particle Modes using the Ion Cyclotron Emission Diagnostic on the DIII-D tokamak</p>	<p>THOME, Kathreen PACE, David PINSKER, Robert DEL CASTILLO, Robert ZHU, Yubao</p>	
<p>[300] 14.40 Applications of hybrid-CMOS High-Speed X-ray Framing Cameras on the Z Facility</p>	<p>STAHOVIK, John COLOMBO, Anthony HARVEY-THOMPSON, Adam JONES, Michael KELLOGG, Jeff KIMMEL, Mark LOISEL, Guillaume LONG, Joel LOOKER, Quinn SPEAS, Shane WU, Ming CLAUS, Liam ENGLAND, Troy FANG, Lu MITCHELL, Brandon MONTROYA, Andrew ROBERTSON, Gideon SANCHEZ, Marcos ROCHAU, Greg PORTER, John HOHLFELDER, Robert HOHLFELDER, Robert STAHOVIK, John</p>	
<p>[307] 14.47 Determination of the Fast-Ion Phase-Space Coverage for the FILD Spatial Array of the ASDEX Upgrade Tokamak</p>	<p>AYLLON-GUEROLA, Juan GARCIA-BAQUERO, Luis GALDON-QUIROGA, Joaquin GARCIA-MUNOZ, Manuel STIPANI, Lorenzo GONZALEZ-MARTIN, Javier RIVERO-RODRIGUEZ, Juan Francisco RODRIGUEZ-RAMOS, Mauricio SANCHIS-SANCHEZ, Lucia HERRMANN, Albrecht</p>	
<p>[310] 14.50 Design of an Imaging Fabry-Perot Interferometer for the VEST Edge Plasma Temperature Measurement</p>	<p>HAM, Seunggi BRITUN, Nikolay KIM, Doyeon KIM, Yoosung OH, Soo-Ghee HWANG, Y. S.</p>	
<p>[291] 14.31 Variable location channels to improve efficiency and precision for direct grad T_e measurements, and high spatial resolution T_e-profile measurements using electron cyclotron emission</p>	<p>HOUSHMANDYAR, Saeid AUSTIN, Max E. BROOKMAN, Michael W. LIU, Yong ROWAN, William L. ZHAO, Hailin</p>	