

HTPD 2018**Monday 16 April 2018****Session #2, Monday Morning Poster Session (10:45-13:00)**

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[147] 2.2 First Mirror Test in JET for ITER: causes for reflectivity degradation	MOON, Sunwoo PETERSSON, Per RUBEL, Marek WIDDOWSON, Anna	
[146] 2.1 Measurement of apparent ion temperature using the magnetic recoil spectrometer at the OMEGA laser facility	GATU JOHNSON, Maria FRENJE, Johan PARKER, Cody SEGUIN, Fredrick LI, Chikang PETRASSO, Richard FORREST, Chad GLEBOV, Vladimir KATZ, Joseph SANGSTER, Craig STOECKL, Christian FARRELL, Michael PAGUIO, Reny SCHOFF, Michael	
[148] 2.3 High Detection Efficiency Scintillating Fiber Detector for Time-Resolved Measurement of Triton Burnup 14 MeV Neutron in Deuterium Plasma of Middle Size Tokamak	OGAWA, Kunihiro ISOBE, Mitsutaka NISHITANI, Takeo TAKADA, Eiji KAWASE, Hiroki PU, Neng AMITANI, Tatsuki JO, Jungmin CHEON, Munseong MATSUYAMA, Shigeo MURATA, Isao	
[153] 2.8 Velocity-space sensitivity of the time-of-flight neutron spectrometer of EAST deuterium plasmas	GE, Lijian	
[149] 2.4 Using Motional Stark Splitting of Dα Emission to Constrain MHD Equilibrium Analysis in DIII-D Plasmas	BURRELL, Keith	
[151] 2.6 Development of the multi-pass Thomson scattering system with the laser amplification system	YOSHIKAWA, Masayuki	

[152] 2.7 Simultaneous measurement of CVI, NeX and LiIII charge exchange lines on EAST	LI, Yingying ZHOU, Yixuan JIANG, Di TAO, Wei CHEN, Ze FU, Jia LYU, Bo SHI, Yuejiang YE, Minyou WAN, Baonian	
[154] 2.9 Laser Induced Fluorescence for Singly Ionized Atomic Iodine	STEINBERGER, Thomas SCIME, Earl	
[150] 2.5 Microscope requirements to diagnose high-spatial-frequency bright spots in inertial confinement fusion implosions at the national ignition facility	PICKWORTH, Louisa	
[368] 2.43 Systematic study of turbulence properties through reflectometry spectra	SUN, Yan SABOT, Roland HEURAUX STÉPHANE, Stéphane VERDOOLAEGE, Geert HACQUIN, Sébastien HORNUNG, Grégoire	
[369] 2.44 Coherence imaging system for 2D distribution of ion temperature and flow velocity in laboratory magnetosphere	NAKAMURA, Kaori NISHIURA, Masaki TAKAHASHI, Noriki YOSHIDA, Zensho KENMOCHI, Naoki SUGATA, Tetsuya KATSURA, Shotaro HOWARD, John MICHAEL, Clive	
[370] 2.45 High magnetic field test of the ITER outer vessel steady-state magnetic field Hall sensors at ITER relevant temperatures	ENTLER, Slavomir SEBEK, Josef DURAN, Ivan KOCAN, Martin VAYAKIS, George	
[379] 2.54 Optimizing neutron imaging lines of sight locations for maximum sampling of the cold fuel density in Inertial Confinement Fusion implosions at the National Ignition Facility	BATHA, Steve VOLEGOV, Petr	
[155] 2.10 Multi-Angled Multi-Pulsed Time-Resolved Thomson Scattering on Laboratory Plasma Jets	BANASEK, Jacob BYVANK, Tom ROCCO, Sophia POTTER, William KUSSE, Bruce HAMMER, David	
[156] 2.11 Presenting the characterisation of a Pulse Dilation Photo Multiplier Tube intended for use with a gamma-ray sensitive Gas Cherenkov Detector at NIF	LEATHERLAND, Alex	
[163] 2.18 Real-Time Digital Phase Demodulator for the ITER Toroidal Interferometer and Polarimeter (TIP)	COLIO, Randy Allen FINKENTHAL, D.F. VAN ZEELAND, M.A. CARLSTROM, T.N. GATUSO, A. O'NEILL, R. BOIVIN, R.L. JOHNSON, D.	

[159] 2.14 Velocity-space sensitivity of the compact neutron emission spectrometers at EAST	ZHANG, Yimo	
[160] 2.15 Modeling the One-Dimensional Imager of Neutrons (ODIN) for Neutron Response Functions at the Sandia Z Facility	VAUGHAN, Jeremy RUIZ, Carlos FITTINGHOFF, David MAY, Mark AMPLEFORD, David COOPER, Gary CHANDLER, Gordon HAHN, Kelly ALBERTO, Perry TORRES, Jose JONES, Brent	
[162] 2.17 Upgrade of the ECE diagnostic on EAST	ZHAO, hailin ZHOU, tianfu LIU, yong HOUSHMANDYAR, Saeid ROWAN, William HUANG, He AUSTIN, Max HU, liqun	
[168] 2.23 First results of multi-channel scintillator-based SX diagnostic with P47 scintillator in deuterium plasma experiments of LHD and examination of method for design in EAST	BANDO, Takahiro	
[164] 2.19 Self-calibrating techniques for polarimetric Thomson scattering	GIUDICOTTI, Leonardo PASQUALOTTO, Roberto MCCORMACK, Oisin	
[165] 2.20 Self-Calibration of Electron Cyclotron Emission Imaging with Shape Matching	XIE, Jinlin	
[169] 2.24 The multi-channel Doppler Backscattering system on EAST	ZHOU, CHU LIU, Adi FENG, Xi	
[171] 2.26 Diagnostic Suite of the C-2W Advanced Beam-Driven Field-Reversed Configuration Plasma Experiment	THOMPSON, Matthew SCHINDLER, Tania GOTA, Hiroshi PUTVINSKI, Sergei BINDERBAUER, Michl TAE TEAM, the	

[172] 2.27 First Measurements of a scintillator based Fast-Ion Loss Detector near the ASDEX Upgrade Divertor	<p>GONZALEZ-MARTIN, Javier AYLLON-GUEROLA, Juan Manuel GARCIA-MUNOZ, Manuel HERRMANN, Albrecht LEITENSTERN, Peter POPKEN, Wolfgang DE MARNE, Pascal SANDOR, Zoletnik KOVACSIK, Akos GALDON-QUIROGA, Joaquin RIVERO-RODRIGUEZ, Juan Francisco RODRIGUEZ-RAMOS, Mauricio SANCHIS-SANCHEZ, Lucia DOMINGUEZ-ABASCAL, Jaime</p>	
[173] 2.28 Distribution of collected target debris using the Large Area Solid Debris Radiochemistry Collector	<p>DESPOTOPULOS, John SHAUGHNESSY, Dawn GHARIBYAN, Narek MOODY, Kenton GRANT, Patrick YEAMANS, Charles WALTZ, Cory</p>	
[175] 2.30 The Dilation Aided Single-Line-of-Sight Camera for the National Ignition Facility, Characterization and Fielding	<p>NAGEL, Sabrina R. CARPENTER, A. C. PARK, J. DAYTON, M. S. BELL, P. M. BRADLEY, D. K. FUNSTEN, B. T. HATCH, B. W. HEEREY, S. HILL, J. M. HOLDER, J. P. HURD, E. R. MACARAEG, C. C. PATEL, P. B. PETRE, R. B. PISTON, K. TROSSEILLE, C. A. ENGELHORN, K. HILSABECK, T. J. CHUNG, T. M. DYMOKE-BRADSHAW, A. K. L. HARES, J. D. CLAUS, L. D. ENGLAND, T. D. MITCHELL, B. B. PORTER, J. L. ROBERTSON, G. SANCHEZ, M. O.</p>	

<p>[170] 2.25 The new magnetic diagnostics in the WEST tokamak</p>	<p>MOREAU, Philippe LE-LUYER, Alain SPUIG, Pascal MALARD, Philippe SAINT-LAURENT, François ARTAUD, Jean-François FAUGERAS, Blaise HEUMANN, Holger CANTONE, Bruno MOREAU, Michel BRUN, Cyril NOUAILLETAS, Remy NARDON, Eric SANTRAINE, Benjamin BELSARE, Sunil</p>	
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<p>[157] 2.12 A Wolter Imager on the Z Machine to Diagnose Warm X-ray Sources</p>	<p>FEIN , Jeffrey R. AMPLEFORD , David VOGEL , Julia K. KOZIOZIEMSKI , Bernie WALTON, Chris WU, Ming AMES, Andrew AYERS, Jay BALL, Christopher R. BELL, Perry BOURDON, Christopher BRADLEY, David BRUNI, Ricardo GARD, Paul LAKE, Patrick MAURER, Andrew PICKWORTH, Louisa PIVOVAROFF, Michael RAMSEY, Brian KILARU, Kiranmayee ROBERTS, Oliver ROMAINE, Suzanne</p>	

[174] 2.29 Unabsorbed Light Beamlets for Diagnosing Cross-Beam Energy Transfer	EDGELL, Dana FOLLETT, Russell KATZ, Joseph SHAW, John TURNBULL, David FROULA, Dustin	
[359] 2.34 Geometric fractionation of the NIF hohlraum debris	GHARIBYAN, Narek SHAUGHNESSY, Dawn MOODY, Ken GRANT, Pat YEAMANS, Charles DESPOTOPULOS, John	
[361] 2.36 A multi-species powder dropper for magnetic fusion applications	BORTOLON, Alessandro	
[363] 2.38 Average neutron time-of-flight instrument response function inferred from single D-T neutron events within a plastic scintillator	STYRON, Jedediah RUIZ, Carlos HAHN, Kelly COOPER, Gary CHANDLER, Gordon JONES, Brent MCWATTERS, Bruce VAUGHAN, Jeremy TORRES, Jose ALBERTO, Perry	
[372] 2.47 High-Speed Visible Image Diagnostics System for Real-time Plasma Boundary Reconstruction of EAST Tokamak	ZHANG, Heng XIAO, Bingjia LUO, Zhengping HANG, Qin	
[373] 2.48 High-Resolving-Power, Streaked X-Ray Spectroscopy on the OMEGA EP Laser System	NILSON, Philip EHRNE, Frank TAYLOR, Cody MILEHAM, Chad MASTROSIMONE, Dino JUNGQUIST, Robert BONI, Robert HASSETT, Jeremy STILLMAN, Collin IVANCIC, Steven LONOBILE, Dave KIDDER, Richard SHOUP, Milt SOLODOV, Andrey SEFKOW, Adam STOECKL, Christian THEOBALD, Wolfgang FROULA, Dustin HILL, Ken GAO, Lan BITTER, Manfred EFTHIMION, Philip MEYERHOFER, David`	

<p>[375] 2.50 Title of Abstract: Application of Portable Near-Infrared Spectrometer to Heliotron J Plasmas</p>	<p>KADO, Shinichiro IWATA, Akihiro KANAZAWA, Tomomi OKADA, Hiroyuki YAMAMOTO, Satoshi MOTOJIMA, Gen OKAZAKI, Hisashi MINAMI, Takashi KOBAYASHI, Shinji NAGASAKI, Kazunobu OHSHIMA, Shinsuke NAKAMURA, Yuji ISHIZAWA, Akihiro KONOSHIMA, Shigeru MIZUCHI, Toru</p>	
<p>[376] 2.51 Design and Raytrace Simulations of a Multilayer-Coated Wolter X-Ray Optic for SNL's Z Machine</p>	<p>VOGEL, Julia K. PIVOVAROFF, Michael J. KOZIOZIEMSKI, Bernard WALTON, Christopher C. AYERS, Jay BELL, Perry BRADLEY, Dave DESCALLE, Marie-Anne HAU-RIEGE, Stefan PICKWORTH, Louisa AMPLEFORD, David J. BALL, Christopher R. BOURDON, Chris J. FEIN, Jeffrey R. MAURER, A. J. WU, Ming AMES, Andrew BRUNI, Ricardo J. ROMAINE, Suzanne ROBERTS, Oliver J. KILARU, Kiranmayee RAMSEY, Brian RAMSEY, Brian</p>	
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[166] 2.21 Signal to noise ratio of upgraded imaging bolometer for KSTAR	PETERSON, Byron Jay OH, Seungtae SEO, Dongcheol JANG, Juhyeok MUKAI, Kiyofumi PARK, Jae Sun CHOE, Wonho	
[350] 2.31 Development of an Electrostatic Dust Injector for Impurity Injection in Tokamak Plasmas	MUNSAT, Tobin WANG, Zhehui FONTANESE, John	
[351] 2.32 Polarization-splitting crystals for 2–30 keV spectral lines	PRESURA, R. MOY, K. WU, M. KRUSCHWITZ, C. AMPLEFORD, D.	
[352] 2.33 Performance of a Cauchois Geometry Spectrometer at the National Ignition Facility	MAY, Mark THORN, Daniel SEELY, John FELDMAN, Uri AYERS, Shannon THOMPSON, Nathaniel POOLE, Patrick WIDMANN, Klaus KEMP, Gregory SCHNEIDER, Marilyn BLUE, Brent	
[360] 2.35 Initial Beam Emission Spectroscopy diagnostic system on the HL-2A tokamak	WU, Yifan KE, Rui JAEHNIG, Kurt KRIETE, Matt MCKEE, George YAN, Zheng WU, Ting XU, Min	
[362] 2.37 The NIF backscatter system: current capabilities and planned improvements	LEMOS, Nuno PARK, J ROSS, J. S SAWDLING, G MICHEL, P GOYON, C DIVOL, L BUTLER, N MOODY, J. D.	
[364] 2.39 Radiation diagnostics for plasma current ramp-up and ramp-down research	WANG, Binbin TAN, Yi GAO, Zhe WANG, Shouzhi	

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<p>[366] 2.41 Commissioning and Calibration of VUV Spectrometer on Versatile Experiment Spherical Torus</p>	<p>WANG, Jongin KIM, J.H CHUNG, Kyoung-Jae HWANG, Y.S.</p>	
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<p>[378] 2.53 Design of a Custom Insertable Probe Platform for Measurements of C-2W Inner Divertor Plasma Parameters</p>	<p>DUBOIS, Ami M. SOKOLOV, Vladimir KNAPP, Kurt THOMPSON, Matt C. TAE TEAM, The</p>	

[325] 2.22 Measurement of argon impurity by X-ray imaging crystal spectrometer on J-TEXT

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ZHONGYONG, Chen
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