

**Poster Session PB: Monday 16 May 8:30 pm – 10:30 pm**

Abstract ID	Presenter	Title
PB-01	Akihiro Iwata	Measurement of Pa $\alpha$ Line from Pellet Ablation Cloud in Heliotron J
PB-02	Qiu Dechuan	First Result of Double Pockels cells Multi-pass Thomson Scattering System on Heliotron J
PB-03	Pengfei ZHANG	Development and initial result of 320 GHz interferometer system on Heliotron J
PB-04	Yumei Hou	A tangentially viewing fast-ion D-alpha measurements and simulations for HL-2A
PB-05	Liang Liu	Visible imaging system with transformable field of view on the HL-2A tokamak
PB-06	Guoliang Yuan	Hard X-ray spectrometer with high time and energy resolution at HL-2A
PB-07		<i>Withdrawn</i>
PB-08	Yufan Qu	Development and signal simulation using FIDASIM of a diamond neutral particle analyzer on HL-2A
PB-09	Kenneth Gage	Fluctuation Measurement Upgrade to Imaging Neutral Particle Analyzer on DIII-D
PB-10	Samuel Stewart	Utilizing Neutral Beam D-beta emission to improve radial resolution of Beam Emission Spectroscopy for turbulent density fluctuation measurements on DIII-D
PB-11	RYAN A ALBOSTA	Design study of an edge current density diagnostic using new high-performance single-channel spectrometers at DIII-D
PB-12	Colin Swee	High Throughput Spectrometers For Fast Charge Exchange Measurements of Iron Impurities at W7X
PB-13	Riccardo Ragona	Development of a Probe Array for Turbulence Imaging on NORTH
PB-14	Nischal Kafle	Portable Diagnostic Package for Thomson scattering and Optical Emission Spectroscopy on Princeton Field-reversed Configuration (PFRC-2)
PB-15	Idei Hiroshi	Adaptive-array analysis of Electron Cyclotron Emission with high spatial resolution in the QUEST spherical tokamak
PB-16		<i>Withdrawn</i>
PB-17	Matt Kriete	Ion temperature measurements using coherence imaging spectroscopy in the W7-X stellarator
PB-18	Francesco Paolo Orsitto	Analysis of the differences between ECE and Thomson scattering electron temperature measurements on JET
PB-19	Christopher Galea	Use of a Mylar filter to eliminate VUV pulse pileup in low-energy x-ray measurements
PB-20	James Titus	Fiber Bragg Grating Array for Heat Flux Measurements in Vacuum
PB-21	Dmitry Osin	Diagnostic Neutral Beam Injector for Active Spectroscopy of a Beam-Driven FRC Plasma

Abstract ID	Presenter	Title
PB-22	Zhengbo Cheng	Equilibrium Reconstruction in Sino-United Spherical Tokamak
PB-23	Thomas E. Benedett	Verification of synthetic internal magnetic diagnostics in EFIT
PB-24	Guiding Wang	Analysis method for calculating radial correlation length of electron temperature turbulence from correlation ECE
PB-25	Thomas E Steinberger	Preliminary Results from a Three Photon Laser Induced Fluorescence Diagnostic in a Cold Krypton Gas
PB-26	Kelly Hahn	Extending the use of RTNADs capabilities at the NIF
PB-27	Alastair Moore	Constraining time-dependent ion temperature in ICF implosions with an intermediate distance neutron time-of-flight (nToF) detector
PB-28	Christine Krauland	Design of the National Ignition Facility Imaging and Spectroscopy Snout (ISS)
PB-29	Bradley T. Wolfe	Machine Learning for Detection of 3D Features using sparse X-ray data
PB-30	Alexandre Do	Fresnel zone plate diffraction orders deconvolution from millimetric field of view x-ray radiography
PB-31	Mike MacDonald	Quantifying electron temperature distributions from time-integrated x-ray emission spectra
PB-32	Gabriel Pérez-Callejo	X-ray imaging and spectroscopy to characterize strongly magnetized hot-dense plasmas in cylindrical implosion experiments
PB-33	Peter Heuer	Open-Source Analysis Software for High-Temperature Plasma Diagnostics
PB-34	Sophia Rocco	Development and Implementation of Laser Interferometry to Diagnose Electron Density and Spot Size in a Dense Plasma Focus