

DIII-D Participation at the 65th Annual APS-DPP Meeting

Invited Oral Presentations

Presenter	Title	Session
Bardoczi, Laszlo	The Root Cause of Disruptive NTMs and Paths to Stable Long Pulse Operation in DIII-D Low-Torque ITER Baseline Scenario Plasmas	TI01:MFE: Disruptions and Equilibria
Beidler, Matthew	The critical role of the avalanche source in understanding wall damage from runaway electrons	TI01:MFE: Disruptions and Equilibria
Boyes, William	MHD Stability and Scenario Development of Negative Triangularity Plasmas in DIII-D	VI02:MFE: Negative Triangularity
Callahan, Kyle	Understanding the L-H transition isotope effect in DIII-D	PI01:MFE: H-mode, Pedestal, and Fueling
Chaban, Ryan	The Role of Main Ion Isotope Mass on Neutral Fueling and the Density Pedestal Structure	PI01:MFE: H-mode, Pedestal, and Fueling
Chrystal, Colin	Confinement Scaling and Rotation Dependence in DIII-D Negative Triangularity Plasmas	PI01:MFE: H-mode, Pedestal, and Fueling
DeGrandchamp, Genevieve	Spatial mode structure and propagation of ion cyclotron emission in the DIII-D tokamak	KI02:MFE: Energetic Particles and Fast Ions
Ding, Siye	Turbulence suppression in high density high poloidal-beta plasmas on EAST and DIII-D	NI02:MFE: Fundamental Processes in Plasmas: Low Temperature to Fusion
Ernst, Darin	Results of the 2022 U.S. Joint Research Target on Intrinsically Non-ELMing Enhanced Confinement Regimes	BI02:MFE: Divertor and Core-Edge Integration Physics
Groebner, Richard	Progress in Understanding H-mode Pedestal Structure	XR01:Review: Magnetic Confinement Fusion II
Haskey, Shaun	The Role of Thermal Charge Exchange Neutrals in Fueling on DIII-D and Future Reactors	PI01:MFE: H-mode, Pedestal, and Fueling
Hu, Qiming	Integration of RMP ELMs control with divertor detachment in the DIII-D tokamak	BI02:MFE: Divertor and Core-Edge Integration Physics
Knolker, Matthias	Advances in RMP ELM Suppression through Establishment of Record Pressure and Temperature Pedestals	PI01:MFE: H-mode, Pedestal, and Fueling
Navarro, Marcos	Three-dimensional Material Erosion of Plasma Facing Components During Application of Resonant Magnetic Perturbations	BI02:MFE: Divertor and Core-Edge Integration Physics
Nelson, Andrew (Oak)	Robust avoidance of edge localized modes alongside pedestal formation in negative triangularity plasmas	PI01:MFE: H-mode, Pedestal, and Fueling
Pratt, Quinn	New measurements of H-mode core density fluctuation wavenumber spectra and tests of quasilinear turbulence modeling	GI01:MFE: Core Transport Modeling and Characterization
Scotti, Filippo	Scrape-Off Layer characterization and detachment integration in Negative Triangularity discharges in DIII-D	VI02:MFE: Negative Triangularity

Wilkie, George	Reconstruction and interpretation of edge line radiation asymmetry from first-principles kinetic simulation	PI01:MFE: H-mode, Pedestal, and Fueling
Zhao, Chen	Simulation of DIII-D disruption with argon pellet injection and runaway electrons	TI01:MFE: Disruptions and Equilibria

Contributed Oral Presentations

Presenter	Title	Session
Austin, Max	DIII-D Overview of Recent Results	JO08:MFE: DIII-D Tokamak
Hanson, Jeremy	Variable-spectrum mode control of high poloidal beta discharges	JO08:MFE: DIII-D Tokamak
Jalalvand, Azarakhsh	Implementing Data-Driven Models for Real-Time Detection and Control of Alfvén Eigenmodes at DIII-D	JO08:MFE: DIII-D Tokamak
Khabanov, Filipp	Turbulence Spreading and Density Fluctuation Statistics at the Edge of DIII-D Positive and Negative Triangularity Plasmas	JO08:MFE: DIII-D Tokamak
Kostadinova, Eva	Energetic electron trapping in magnetic islands in magnetized plasma	JO08:MFE: DIII-D Tokamak
Li, Zeyu	How Multiscale Interaction of Peeling-Ballooning Modes and Drift Waves Regulates the Pedestal and ELMs in DIII-D Wide-Pedestal Quiescent H-mode	JO08:MFE: DIII-D Tokamak
Losada Rodriguez, Ulises	Time-resolved spectroscopic measurements of tungsten gross-erosion and re-deposition in the DIII-D tokamak	JO08:MFE: DIII-D Tokamak
McKee, George	Building the Fusion Physics Foundation for an FPP and ITER at DIII-D	JO08:MFE: DIII-D Tokamak
Paz-Soldan, Carlos	Highlights from the DIII-D Negative Triangularity Campaign	JO08:MFE: DIII-D Tokamak
Qin, Xijie	Investigating the Role of Turbulence-driven Reynolds Stress in the Generation of Intrinsic Rotation in DIII-D	JO08:MFE: DIII-D Tokamak
Xuan Sun	Validation of linear resistive plasma RMP response model with internal measurements on DIII-D	JO08:MFE: DIII-D Tokamak
Tang, Shawn X	Results from the High-Power Helicon Current Drive System at DIII-D	JO08:MFE: DIII-D Tokamak
Thomas, Dan	What are the leading parameters governing energy dissipation in the DIII-D SAS divertors?	JO08:MFE: DIII-D Tokamak
Victor, Brian	Progress on low-torque hybrid and high q _{min} scenario development on DIII-D	JO08:MFE: DIII-D Tokamak
Yang, Seong-Moo	Measurements of n=1 MHD stability in high beta _N discharges using multi-mode spectroscopy	JO08:MFE: DIII-D Tokamak
Kim, Sang-Kyeun	Adaptive RMP-ELM Control in DIII-D towards complete ELM suppression from the H-mode transition while maintaining good confinement	CO07:MFE: Research in Support of ITER Burning Plasma Physics
Parsons, Matthew	Reducing Tungsten Leakage from a Small-Angle-Slot Divertor using Low-Z Impurity Seeding	CO07:MFE: Research in Support of ITER

		Burning Plasma Physics
Popovic, Zana	High-performing advanced tungsten materials under high particle flux and intense transients in DIII-D	CO07:MFE: Research in Support of ITER Burning Plasma Physics
Sips, George	ECH assisted start-up experiments at DIII-D supporting model validation for ITER plasma initiation	CO07:MFE: Research in Support of ITER Burning Plasma Physics
Traverso, Peter	Investigation of pedestal parameters and divertor heat fluxes in small ELM regimes on DIII-D	CO07:MFE: Research in Support of ITER Burning Plasma Physics
Xie, Ruifeng	Investigation of Core Transport Changes in DIII-D H-mode Plasmas with off-axis Te Profile peaks	CO07:MFE: Research in Support of ITER Burning Plasma Physics
Ashourvan, Arash	Development of a Lagrangian Gyrocenter Tracking code (LGT1) for application to CGYRO Calculated Turbulence	NO04:MFE: Turbulence and Transport
Bathey, Alexander	Electron Cyclotron mode conversion in plasma with relativistic electrons	UO08:MFE: Disruptions, Runaway Electrons, and Energetic Particles
Benedett, Thomas	Evidence of noninductive current drive during tokamak sawtooth crashes using fast internal magnetic measurements	JO09:MFE: MHD, Control, and Machine Learning
Cacheris, Alec	Effect of D2 injection rates on intra-ELM and inter-ELM W erosion and ELM peak heat flux in SAS-VW divertor in DIII-D	GO09:MFE: Detachment, Power Handling, and Divertor Physics
Casali, Livia	First Integration of negative triangularity plasmas with high radiation fraction	TO07:MFE: Negative Triangularity and I-mode
Ceelen, Lennard	Identification and radiated power control of the divertor plasma in the DIII-D tokamak	GO09:MFE: Detachment, Power Handling, and Divertor Physics
Coburn, Jonathan	High Heat Flux Exposures of Recrystallized and Additively Manufactured Tungsten Samples on DIII-D	TO08:MFE: Plasma-Material Interactions
Cote, Tyler	Observation of a bursty high-frequency edge instability in DIII-D strongly shaped diverted negative triangularity plasmas	TO07:MFE: Negative

		Triangularity and I-mode
Hong, Rongjie	Characterization of density limit in heated negative triangularity plasmas on DIII-D tokamak	TO07:MFE: Negative Triangularity and I-mode
Izzo, Valerie	NIMROD + ThinCurr modeling of runaway electron suppression with a passively driven coil in DIII-D	UO08:MFE: Disruptions, Runaway Electrons, and Energetic Particles
Kim, Charlson	NIMROD DIII-D Dual SPI Injector Simulations	UO08:MFE: Disruptions, Runaway Electrons, and Energetic Particles
Kramer, Gerrit	Full-orbit simulation of charge separation for negative triangularity plasma shapes in DIII-D	TO07:MFE: Negative Triangularity and I-mode
Leddy, Jarrod	Gaussian Process Regression for Equilibrium Reconstruction in DIII-D and ITER Plasmas	JO09:MFE: MHD, Control, and Machine Learning
Leppink, Evan	Machine Learning Prediction of the High-Field Side Scrape-Off Layer Density and Optimization of DIII-D HFS LHCD Antenna Loading	BO05: MFE: Diagnostics, Heating, and Current Drive
Macwan, Tanmay Martinbhai	Role of EHO-like modes in Inter-ELM Particle Transport during type-I ELMy DIII-D H-mode Discharges	YO05:MFE: Edge Instabilities, Transport, and Helium Exhaust
Mateja, Jeremy	Comparison of core and far-SOL tungsten measurements for opposing Bt direction during the SAS-VW campaign on DIII-D	TO08:MFE: Plasma-Material Interactions
Mehta, Chris	Formation of Ammonia through Meteoritic Atmospheric Entry: Implications for the Prebiotic Chemical Process on Earth	CO03: Low-temperature Plasmas and Applications
Mordijck, Saskia	Density Peaking and Particle Transport in Negative Triangularity Discharges on DIII-D	TO07:MFE: Negative Triangularity and I-mode
Nelson, Andrew (Oak)	On the vertical stability of DIII-D discharges with strong negative triangularity	TO07:MFE: Negative Triangularity and I-mode
Ren, Jun	Observation of double-peak in the heat flux profile in the SAS-VW divertor	GO09:MFE: Detachment, Power Handling, and Divertor Physics

Richner, Nathan	Differential Rotation to Prevent 2/1 Tearing Modes Driven by 3-Wave Coupling	JO09:MFE: MHD, Control, and Machine Learning
Rutherford, Grant	Optimization of the n Upshift in the DIII-D High Field Side Lower Hybrid Current Drive Experiment	BO05:MFE: Diagnostics, Heating, and Current Drive
Schmitz, Lothar	Edge Transport Barrier Evolution and H-mode inhibition in Negative Triangularity Plasmas	TO07:MFE: Negative Triangularity and I-mode
Sizyuk, Tatyana	Assessment of plasma induced effects in crystalline and amorphous SiC as plasma facing material	TO08:MFE: Plasma-Material Interactions
Stewart, Samuel	Investigation of Turbulence Properties in Negative Triangularity Plasmas on DIII-D using Beam Emission Spectroscopy	TO07:MFE: Negative Triangularity and I-mode
Thome, Kathreen	Overview of the DIII-D Negative Triangularity Campaign	TO07:MFE: Negative Triangularity and I-mode
Wilson, Haley	Integrated modeling of highly radiative plasmas with negative triangularity shaping	TO07:MFE: Negative Triangularity and I-mode
Zalzali, Amani	Direct Numerical Simulations of Central ICE Guided by TRANSP Distribution Functions of NBI-ions in DIII-D Plasmas	UO08:MFE: Disruptions, Runaway Electrons, and Energetic Particles
Zamperini, Shawn	Modeling blob and hole-like impurity transport in the scrape-off layer of DIII-D	YO05:MFE: Edge Instabilities, Transport, and Helium Exhaust
Zhao, Menglong	Divertor detachment characterization in negative triangularity discharges in DIII-D via UEDGE modeling	TO07:MFE: Negative Triangularity and I-mode

Poster Presentations

Presenter	Title
Abbate, Joseph	Physics-augmented machine learning techniques for modeling tokamak dynamics
Albosta, Ryan	Measurement of Stark-split beam and Carbon charge exchange emissions for simultaneous B-field and temperature/rotation analysis at DIII-D

Angulo, Adrianna	Modeling Thermal Charge Exchange Neutrals Originating from the Divertor on DIII-D
Balbin Arias, Julio	Role of neutral particles on pedestal structure for H-mode experiments in DIII-D
Batthey, Alexander	Design of Passive and Structural Conductors for Tokamaks Using Thin-Wall Eddy Current Modeling
Bergstrom, Zachary	Impurity release and transport from a toroidally symmetric limiters in DIII-D
Bernard, Tess	Effects of negative triangularity on plasma scrape-off layer turbulence in gyrokinetic simulations
Binks, Ashton**	Verification of Zeff Profiles Using the Visible Bremsstrahlung Diagnostic on DIII-D
Bodner, Grant	Multi-device analysis of thermal quench duration induced by mixed neon/deuterium shattered pellet injection
Boedo, Jose	Turbulence-driven Transport and Spreading at the Edge of DIII-D L and H-mode Plasmas
Bortolon, Alessandro	Finite-orbit effects on impurity sourcing in the pedestal of DIII-D Quiescent H-mode plasmas
Brennan, Dylan	Probabilistic locked mode predictor in the presence of a resistive wall and finite island saturation
Burke, Marcus	Studies of the SOL impurity stagnation point in DIII-D using Coherence Imaging Spectroscopy with comparisons to UEDGE
Bursch, Evan**	Validation of magnetic topology simulations in DIII-D experiments with energetic electrons.
Buttery, Richard	Upgrading DIII-D to Close the Gaps to Future Fusion Reactors
Callen, James	Flow, Mode Effects That Seed Neoclassical Tearing Modes
Carter, Blake	Investigating confinement and pedestal stability discrepancies between two high density DIII-D discharges
Cavallaro, Amelia	Multimachine Database Study of I-Mode Core Confinement and Edge Gradients
Cengher, Mirela	Status of the HFS LHCD System on DIII-D
Char, Ian	Full Shot Predictions for the DIII-D Tokamak via Deep Recurrent Networks
Chen, Jie	Internal measurements of magnetic and density fluctuations from magneto-hydro-dynamic (MHD) to sub-ion cyclotron frequency range using radial interferometer-polarimeter in DIII-D
Chen, Xi	Top Launch ECCD Experiments in High-qmin AT Scenario Plasmas on the DIII-D Tokamak
Choudhury, Hari	The effects of radio-frequency wave heating on quiescent runaway-electron plasmas in DIII-D

Chow, Derek**	Analyzing Parametric Decay Instabilities due to Helicon Injection at DIII-D
Chowdhury, Satyajit	Doppler backscattering measurements of radio frequency plasma waves at DIII-D
Damba, Julius	Effect of helicon RF injection on turbulence and transport in the pedestal and SOL regions of the DIII-D Tokamak
Demby, Aysia	First Results of Thermal Helium Beam and Impurity Spectroscopy at the DIII-D Helicon Antenna
Desai, Shivam**	Helicon wave absorption on energetic ions in fusion plasmas
Ding, Siye	Experimental conditions for robust access to internal transport barriers at large minor radius
Dupuy, Alex	High-Power Helicon System Upgrades at DIII-D
Effenberg, Florian	Reducing tungsten plasma-material interactions with boron and boron nitride powders in the DIII-D V-shaped divertor
Eichinger, Emma**	Validation of NUBEAM with Prompt Torque Measurements in DIII-D
Ennis, David	Multi-Chord Upgrade for UV Spectroscopic Profile Measurements in the DIII-D Lower Divertor
Eskew, Jessica	Single Particle Modeling of Electron Diffusion in Magnetized Plasmas with Magnetic Islands
Ford, Brent	Multi-Modal analysis of linear MHD response to resonant magnetic perturbations in DIII-D plasmas
Gage, Kenneth	Fluctuation Measurements using Imaging Neutral Particle Analyzer on DIII-D
Garcia, Alvin	Identification of Alfvén eigenmodes using recurrent neural networks, a labelled database and CO ₂ interferometer data on DIII-D
Gerru Miguelanez, Raul	Effect of divertor conditions on ionization and neutral density profiles in the edge and SOL in DIII-D
Gill, Kevin	Real-time plasma confinement mode classification with deep neural networks and high-bandwidth edge fluctuation measurements in DIII-D
Guizzo, Sophia**	Modeling the vertical stability of negative triangularity reactors
Haggerty, Noah**	R&D updates from the DIII-D neutral beam Radiofrequency Ion Source Experiment (RISE)
Han, Xiang	Magnetic field pitch angle measurement using Beam Emission Spectroscopy (BES) diagnostic on DIII-D
Hayes, Alyssa	Analysis of GTR simulated W erosion and comparison with optical emission spectroscopy in the DIII-D SAS-VW divertor as a step toward validation

Heidbrink, William	Analysis of beam-driven instabilities near the ion cyclotron frequency
Heidbrink, William	Simulations of instabilities with frequencies above the ion cyclotron frequency
Hollmann, Eric	Research at DIII-D toward predicting wall damage in ITER from post-disruption low-Z vs high-Z runaway electron wall impact
Holm, Andreas	Investigating the dependence of a Long-Leg, Dissipative Low-Field Side Divertor on High-Field Side Divertor Leg Length in DIII-D Using UEDGE Simulations Including Drift Flows
Horvath, Laszlo	Drift direction dependence of main chamber ionization source asymmetries in DIII-D H-mode plasmas
Hubbard, Amanda	Stationary I-modes in multiple configurations in the DIII-D tokamak
Jiang, Yanzheng	Wall current compensation for rotating magnetics perturbation through magnetic diagnostic response function
Joung, Semin	Deep neural network based real-time ELM prediction and reconstruction of turbulent flow based on the DIII-D BES measurement
Juneja, Rinkle	Modeling the spatial dependence of runaway electron generation during disruptions
Kaloyannis, Peter	A Deep Dive Into Disruptivity: Learning to Predict and Avoid Disruptions
Kim, Eun-Hwa	Effects of antenna misalignment and density turbulence on helicon and slow wave propagations in DIII-D
Kim, Kyungjin	Integrated modeling of Core, Edge pedestal and SOL using super H-mode experiments in DIII-D
Krogen, Kate**	A reduced model for the impact of divertor physics on scrape-off layer turbulent transport
Lee, Seungsup	Overview and Benchtop Testing of 2D Fiber Optic Bolometer Array
Leonard, Anthony	Comparison of divertor performance dependence on geometric configuration in DIII-D and MAST-U
Leuthold, Nils	Studies of Compatibility of ELM suppression via Resonant Magnetic Perturbations with electron heating and impurity seeding at DIII-D
Li, Peggy**	Implementation of a hyperspectral filterscope for measuring impurities in fusion plasmas
Li, Zeyu	Achieving Low-Collisionality Small/Grassy ELMs in DIII-D High-Performance Hybrid Scenario Plasmas
Liu, Deyong	Measurement of sawtooth induced fast ion transport on DIII-D with a suite of imaging energetic particle diagnostics

Liu, Sydney**	Neural Network Prediction of Active and Passive Signal of an Imaging Neutral Particle Analyzer in the DIII-D Tokamak
Loch, Stuart	An overview of the atomic data and spectroscopy of low charge states of W for use in Plasma Facing Component studies
Lopez, Omar	Development of a coupled kinetic-MHD equilibrium solver for modeling a post-disruption runaway electron beam
Loughran, Jarred	Extending Modulation Transport Studies to the Pedestal with Edge Particle Source Measurements in DIII-D
Lunia, Priyansh	Data-Derived Operational Boundaries of RMP ELM Suppression in ASDEX Upgrade and DIII-D
Lvovskiy, Andrey	Study of the halo current region resistivity on the DIII-D tokamak
Ma, Xinxing	Divertor dissipation in the DIII-D V-shaped slot divertor with strong external heating
Major, Maximillian	Intermediate-Wavenumber Pedestal Fluctuation Measurements with Charge eXchange Imaging on DIII-D
Marini, Claudio	Runaway Electron Plateau Current Profile Reconstruction from Fastcam and MDS measurements in DIII-D
Maris, Andrew	Data-driven tokamak density limit boundary identification
Mattes, Ray	Impact of the Isotope Mass on Divertor Detachment and Pedestal Fueling in DIII-D
Maurizio, Roberto	Experiments on plasma detachment in the DIII-D V-shaped slot divertor
McKee, George	Turbulence and Transport Dependence on ρ^* and Isotope Mass in H-Mode Plasmas on DIII-D
Mehta, Christopher	Formation of Ammonia through Meteoritic Atmospheric Entry: Implications for the Prebiotic Chemical Process on Earth
Mehta, Viraj	Automated Experimental Design of Safe Rampdowns via Probabilistic Machine Learning
Meneghini, Orso	FUSion Synthesis Engine: a next-generation framework for integrated design of fusion pilot plants (FPPs)
Messer, Seth	Analysis on the Effect of Main Ion Density on High-Z Impurity Transport in the Scrape-off Layer of DIII-D Using Collector Probes
Morbey, Maria	Deuterium retention in Li-D co-deposits in the DIII-D tokamak
Morosohk, Shira	Simultaneous Regulation of the Electron Temperature and Safety Factor Profiles for DIII-D using Optimal Control Methods
Moser, Auna	Heat flux width scaling and detachment in high heat flux experiments on DIII-D

Myers, Rachel	Identification of Multimode Interactions of Magnetic Fluctuations by Faraday-effect Polarimetry in DIII-D QH-mode Plasmas
Neiser, Tom	Multi-fidelity neural network representation of gyrokinetic turbulence
Nesbet, Perry	2023 Status of the ECH System on DIII-D
Odstrcil, Tomas	Experimental investigation of impurity transport in the core and edge of wide pedestal QH-mode regime on DIII-D
Overton, Matthew**	Magnetic Sensor Performance Evaluation in DIII-D with Magnetic Diagnostic Response Function
Pandya, Mihir	Internal measurements of magnetic fluctuations in long-lived post-disruption runaway electron beams on DIII-D
Park, Jin Myung	Towards a high fidelity tokamak pulse simulator
Perez, Elizabeth	Comparing Hydrogen and Deuterium Plasmas in DIII-D Using Gyrokinetic Simulation
Petrus, Wyley**	Inference of edge carbon transport coefficients from multi-ion measurements on DIII-D tokamak
Petty, Clinton (Craig)	Upgrading DIII-D to Close the Gaps to Future Fusion Reactors
Pinsker, Robert	Overview of DIII-D Helicon Program
Pisinger, Mateo**	Database and stability analysis for DIII-D QH-mode plasmas
Porkolab, Miklos	Parametric instabilities during high power helicon wave injection in DIII-D
Prabhudesai, Gaurav	Measurement of bursting behavior at sub-ion cyclotron frequencies in DIII-D using Radial Interferometer Polarimeter (RIP) diagnostic
Rabinowitz, Jacob**	Modeling non-axisymmetric radiation during rapid shutdown in DIII-D shell pellet experiments using Emis3D
Ray, Tyler	X-ray Fluorescence analysis of global tungsten transport inside DIII-D tokamak during tungsten-coated, V-shaped Small Angle Slot divertor campaign
Richardson, Michael	Spatial Heterodyne Spectroscopy for Motional Stark Effect measurements at DIII-D
Riggs, Gregory	Time-resolved biphasic signatures of quadratic nonlinearity observed in coupled eigenmodes on the DIII-D tokamak
Ross, Michael	Feedback control of helicon current drive power on the DIII-D tokamak
Rost, Jon (Chris)	Measurement of edge turbulence in negative triangularity plasmas with Phase Contrast Imaging on DIII-D
Rothstein, Andrew	Tearing mode avoidance using reinforcement learning and classical delta prime stability analysis on DIII-D

Rudakov, Dmitry	Controlled low-Z melting experiment in DIII-D tokamak
Sarbacker, Isaac**	Multipactor discharge effects on vacuum feed-throughs of DIII-D's helicon system
Saxena, Rahul	Disruption Prediction via Deep Recurrent Neural Networks
Schraufnagel, Kassia**	Spline-based reconstruction of plasma boundary
Scotto d'Abusco, Manuel	First wall fluxes modelling with 3D PFCs coupled to 3D plasmas in the HEAT toolkit
Seltzman, Andrew	Monolithically Additive Manufactured Lower Hybrid Current Drive Launchers
Serrano, Jesus	Observations of energetic ion driven ion cyclotron emission and high frequency Alfvén eigenmodes in negative triangularity plasmas in DIII-D
Shafer, Morgan	Radiation Dependence of Divertor Leg Length in Detachment on DIII-D
Shiraki, Daisuke	Pellet Fueling Research on DIII-D
Sinclair, Gregory	Initial assessment of first wall erosion and retention properties for the General Atomics fusion pilot plant
Slendebroek, Tim	Elevating zero dimensional global scaling predictions to self-consistent theory-based simulations
Smith, Sterling	Connecting DIII-D and NERSC to support DIII-D Operations through Kinetic Equilibrium Analysis
Strait, Edward (Ted)	Error Field Identification through Torque Balance on a Saturated Island
Tang, Shawn Wenjie	Characterization of Plasma Hitting the DIII-D Main Chamber Wall during SPI Shutdown
Tema Biwole, Arsene	Impurity transport studies in DIII-D H-mode plasmas: Experiment and Turbulence Modeling
Thome, Kathreen	Overview of Results from the DIII-D Negative Triangularity Campaign
Truong, Dinh	Spectroscopic Neutral Density Measurements of the DIII-D Divertor and Comparison to Modeling
Umansky, Maxim	Interpretive modeling of thermal transport in DIII-D boundary plasma
Van Compernelle, Bart	Power deposition measurements during high-power helicon experiments in DIII-D L-mode and H-mode plasmas
Wang, Huiqian	Manipulating density pedestal structure to improve core-edge integration towards low collisionality
Watson, Noah**	ECH Waveguide Power Loss Measurement at DIII-D
Welsh, Austin	Characterization of the radiated power operational space in negative triangularity plasmas at DIII-D

White, Andrew	Atomic calculations and comparison to experiment for Si ⁺ and W ²⁺ erosion diagnostics
Wilcox, Robert	Measurements and SOLPS-ITER Modelling of Pumping Experiments in DIII-D
Wilks, Theresa	Limiting factors for achieving peeling-limited pedestals in present devices
Woodley, Adrian**	Development and Implementation of a Novel Particle Flux Probe for an RF Inductively Coupled Plasma Source
Wukitch, Stephen	Overview of High Field Side Lower Hybrid Current Drive Experiment at DIII-D
Wulftange, Francisco**	Effect of neutrals on plasma turbulence in simple slab divertor simulations
Xia, Jamie	Analysis of Final Loss Events due to Vertically Unstable Runaway Electron Beams in DIII-D
Xing, Zichuan	Emulation of ITER Axisymmetric Control Characteristics on DIII-D
Yan, Zheng	Inter-ELM pedestal turbulence dynamics on q ₉₅ and temperature gradient
Yang, Jeong-hun	Dependence of EC toroidal injection angle on effective EC assisted startup
Yoo, Mingoo	General delta-f Particle-In-Cell algorithm in the presence of physical boundaries and strong forces
Yu, Guanying	ECE-Imaging Characterization of edge magnetic islands affecting pedestal transport and stability in a net-zero torque plasma
Yu, Jonathan	Modeling dissipative divertor designs for DIII-D with variations in wall baffling and pump location
Zarta, Alex**	Identifying small, emergent tearing modes in the plasma core using polarimetry and ECE data on DIII-D*
Zeng, Lei	Density turbulence measurements using fast sweep reflectometry in DIII-D
Zhang, Haiping	Changes in ion temperature with impurity content at the DIII-D tokamak
Zhao, Bingzhe	Development of a Retarding Field Energy Analyzer for Ion Energy Distribution Measurements at the DIII-D Divertor

Poster presentation session information can be found in the [APS-DPP Scientific Program](#)

** SULI/CCI Undergraduate Student Intern