		29th	Workshop on MHD Stab	ility Control	
ID	Start	End	Wednesday 7/23	Thursday 7/24	Friday 7/25
Morning #1	8:30	LIIG	TSD Workshop	Yokoyama	Logan
WOTTING #1	8.50			Lunia	Chiriboga
					-
		10:00		Jiang	N. Wang
Coffee #1	10.00			Ren	Igochine
	10:00 10:30	10:30		M/outbright	Liu
Morning #2	10:30			Waybright	
				Phar	Park
		42.00		Brennan	Gan
		12:00		Burgess	Power
Lunch	12:00	13:30			
Afternoon #1	13:30		Pigatto	Poster / Group Photo	Boozer
			Sanpei		Furukawa
			Shinichiro		Hartigan
		15:00	Matsuyama		Farre Kaga
Coffee #2	15:00	15:30			
Afternoon #2	15:30		Kim		Tobin
			Chandra		Kumar
			W. Wang		Lee
		17:00	Leuthold		Riquezes
	Venue		Com	outer Science Building Roo	om 104
		Prin	ceton, New Jersey: July 2		
Invited talks	22 minutes				
Contributed talks	14 minutes				
Discussions					
Lunch	26 minutes On all previous talks, including clarifying questions 90 minutes Restaurants nearby				
Session title	Talk title	Restaurants	Пеагру	Chair	Assistant chair
	13:30	15:00	M/admanday	Chan	Assistant than
Experiments A			Wednesday	with magnetic particulati	ione i
Pigatto	Plasma response models for RFX-mod2 operations with magnetic perturbations				
Sanpei	Correlation between sawteeth event and hollow SXR emissivity distribution in a low aspect ratio RFP				
Shinichiro	Investigation of non-axisymmetric structure formation in RELAX using SXR diagnostics Plasmoid dynamics and magnetic disturbances after pellet injection in LHD				
Matsuyama				er pellet injection in LHD	
Innovation	15:30	17:00	Wednesday		
Kim	A new dynamo theory based on Statistical State Dynamics				
Chandra	Synthetic diagnostic integration for automatic MHD mode labeling on SPARC				
W. Wang				odes and associated ener	getic particle transport in
		g the M3D-C1			
Leuthold		s basis for AR	C		
Session title	Talk title			Chair	Assistant chair
Experiments B	8:30	10:00	Thursday		
Yokoyama	Achieved milestones and disruption studies in the initial operation of JT-60SA				
Lunia	Toroidal mode number dependence of RMP ELM suppression in DIII-D				
Jiang	Error field measurements and validation with rotating RMP fields for DIII-D H-mode				
Ren	Measurement of the mode structures during locked mode disruptions on J-TEXT				
Theory A	10:30	12:00	Thursday		
Waybright	Extended drift MHD theory of resonant layer responses to non-axisymmetric magnetic perturbations				
Phar	Quantifying the resonant drive for magnetic islands in perturbed ideal, resistive, and kinetic MHD				
Brennan			-	ld for a saturated magnet	
	resistive wa	-	,		
Burgess			n combining toroidal calc	ulations with a two-fluid	slab laver approximation
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Session title	Poster title				
Poster	13:30 17:00 Thursday				
Arnold	Simulations of sawtoothing activity with a resistive wall in the HBT-EP tokamak				
Benjamin	Towards calculation of minimum marginally stable island widths in a cross-machine tearing mode				
Elster	Equilibrium two-fluid effects on linear tearing mode stability				
Halpern	Determining the validity of tokamak perturbed equilibrium modeling using nonlinear equilibria				
Lee	Kinetic stability of negative-triangularity plasmas				
Rothstein	Assessing numerical stability of physics models to equilibrium variation through database				
Sheehan	Multi-machine analysis of impurity radiative collapse disruption prediction and event chain				
Takemura	Modeling the hysteresis in the amplitude–frequency relationship of MHD instabilities in toroidal				
	magnetically confined plasmas				
Tillinghast	Automatic determination of magnetic island widths in DECAF and implicit analysis of the modified				
0	Rutherford equation				
Tomasina	Modeling RMPs impact on L-H power threshold in JT-60SA OP2 scenarios				
Wong	Reduced fast ion transport calculations of infernal-like fishbone instabilities in MAST-U				
Yang	Technology readiness assessment of magnetohydrodynamic stability control				
Session title	Talk title Chair Assistant chair				
Experiments C	8:30 10:00 Friday				
Logan	Resonant magnetic perturbation thresholds for ELM suppression				
Chiriboga	High speed plasma feedback system of n=1 MHD instabilities on HBT-EP using machine learning to				
0	couple optical diagnostics and magnetic control				
N. Wang	Trigger and enhancement of ITB by 3D MP and MHD modes on J-TEXT				
Igochine	Plasma effect on error fields correction at high β N in ASDEX Upgrade				
Stellarator & Dive	10:30 12:00 Friday				
Liu	Kinetic-MHD simulation of pressure-driven instabilities in stellarators using M3D-C1				
Park	Quasi-symmetric optimization of 3D magnetic perturbations				
Gan	MHD-Induced SOL filaments and divertor heat flux striations in NSTX				
Power	Simulations of the "churning mode" in snowflake divertors using reduced-MHD models				
Theory B	13:30 15:00 Friday				
Boozer	Magnetic field line chaos and MHD in toroidal plasmas				
Furukawa	Equilibrium analysis of single-helicity, incompressible MHD				
Hartigan	Effects of a two-fluid model on RF current condensation				
Farre Kaga	Interpreting AI for fusion: An application to plasma profile analysis for tearing mode stability				
Forecasting	15:30 17:00 Friday				
Tobin	Real-time observation of toroidal current redistributions induced by three-dimensional MHD				
	phenomena triggering vertical displacement events for disruption avoidance				
Kumar	Physics-guided deep learning surrogate for real-time control of vertical stability in tokamak plasmas				
Lee	Development of a neural network algorithm for classifying NTM formation in KSTAR ECEI data for				
	Disruption Event Characterization and Forecasting (DECAF)				
Riquezes	Rotating MHD mode lock and disruption forecaster with real-time feedback on KSTAR				