28th Workshop on MHD Stability Control									
ID	Start	End	Thursday 10/3	Friday 10/4	Saturday 10/5				
Reception	8:30	9:00	Yang	Kostadinova	Kostadinova				
Morning #1	9:00		Berkery	Dudkovskaia (R)	Boozer				
			Wong	Benjamin	Guazzotto				
			Pankin	Hanson (R)	Elster				
		10:30	Vacant	Boyes	Reiman (R)				
Coffee #1	10:30	11:00							
Morning #2	11:00		Myers	Rothstein	Yang				
			Turco (R)	Benedett	All				
			Barada	Van Mulders					
	10.00	12:30	Orlov	Xie					
Lunch	12:30	14:00	11	Destas / Tarra	<b>A</b>				
Afternoon #1	14:00		Hurst	Poster / Tour	Adjourn				
			Takemura						
		15.20	Chandra						
Coffee #2	15.20	15:30	Levesque	-					
Afternoon #2	15.30	10.00	Sabbagh	4					
Artemoon #2	10.00		Tobin						
			Buston Ramirez						
		17.30							
		Δι	burn Alabama: October 3	8-5 2024					
Invited talks	Auburn, Alabama. October 5-5, 2024								
Contributed talks	14 minutes	Uninterrupte	ed de						
Discussions	26 minutes On all previous talks including clarifying questions								
Reception	30 minutes Talks from the organizers with light breakfast served in the back of the room								
Lunch	90 minutes	Use badges	to get free lunch from the	e cafeteria on weekdays					
		Lunch box w	ill be served on Saturday						
Session title	Talk title			Chair	Assistant chair				
Session #1-1	9:00	10:30	Thursday	Levesque	Yang				
Berkery	Stability Con	siderations fo	or a Spherical Tokamak Ac	lvanced Reactor					
Wong	Fishbone Instabilities and Their Impacts on Core Confinement in MAST and MAST-U								
Pankin	Predicting El	_M Stability ir	n Spherical Tokamaks Usir	ng the Extended MHD NIN	/IROD and M3D-C1 Codes				
Vacant									
Session #1-2	11:00	12:30	Thursday	Berkery	Benedett				
Myers	Nonlinear Coupling of Core-resonant Tearing Modes and Edge Fluctuations in QH-mode Plasmas in								
Turco	Radiation In	duced Non-lin	ear Oscillations in ITER B	aseline Scenario Plasma	s in DIII-D				
Barada	FIM-free His	adeed Non in The Confineme	nt Regime Obtained and	Sustained in the Presence	e of a Benign m/n=-4/-1				
24.444	Locked Mode in DIII-D								
Orlov	Advancemer	nts in KSTAR 3	BD Edge Long-Pulse Tokan	nak Scenarios with Instat	ility & Transport Control				
Session #1-3	14:00	15:30	Thursday	Hansen	Myers				
Hurst	MHD Behavi	or of Non-dis	ruptive MST Tokamak Plas	smas up to Ten Times the	e Greenwald Limit				
Takemura	Hysteresis ir	Mode Frequ	ency Behavior during Acce	eleration and Deceleratio	n in LHD				
Chandra	Dependence	of Wall Stab	ilization and q <sub>a</sub> on Sawtoo	oth Triggering of Saturate	ed 2/1 Tearing Modes				
	from a Coup	led Kink-teari	ng Mode in HBT-EP						
Levesque	MHD Activity	y during Initia	l Operation of the Runaw	ay Electron Mitigation Co	il (REMC) in HBT-EP				
Session #1-4	16:00	17:30	Thursday	Howell	Van Mulders				
Sabbagh	Expanded Tokamak Disruption Event Characterization and Forecasting Research and Investigation of								
	High Beta Pl	asmas in MA	ST-U						
Tobin	Multi-tokamak Application of a VDE Forecasting Approach for Disruption Avoidance using DECAF								
Buston Ramirez	Study of Electron Temperature Profile Evolution as a Plasma Disruption Predictor through Disruption								
	Event Characterization and Forecasting (DECAF) Analysis								
Lee	investigation	1 of Lokamak	Control Leveraging Disrup	tion Event Characterizati	on and Forecasting				
	(DECAF) IN K	STAR							

Session title	Talk title			Chair	Assistant chair			
Session #2-1	9:00	10:30	Friday	Navratil	Zamkovska			
Dudkovskaia	Neoclassical Tearing Mode Physics in the Presence of Impurity Ions							
Benjamin	Towards Robust Asymptotic Equilibrium Behavior for Spectral 3D MHD Codes							
Hanson	Simulating Feedback-controlled Error Field Correction							
Boyes	Ideal Kink Stability of Negative Triangularity Plasmas							
Session #2-2	11:00	12:30	Friday	Orlov	Yang			
Rothstein	Leveraging A	utomated Ec	quilibria on MH	D Stability Analysis and ML	-based Active Tearing Mode			
	Suppression	in DIII-D						
Benedett	Exploring Tre	nds in Farad	ay-effect Polar	imetric Measurements of t	he DIII-D Tokamak Core Magnetic			
	Fields for Re	actor-relevar	nt Diagnostic a	nd Control Applications				
Van Mulders	Improved Reconstruction of Plasma Profiles and Equilibrium through Dynamic State Estimation: from							
	TCV and AUG	6 to ITER						
Xie	Startup Runa	way Electror	n Evolution and	Interaction with MHD				
Session title	Poster title							
Poster	14:00	17:30	Friday					
Butt	3D Plasma R	esponse Inve	estigation of Op	perational Space Expansions	s using a Self-consistent Integrated			
	Modeling Fra	amework						
Chiriboga	Development	t of an n = 1	Optical Mode 1	Fracking Feedback Control S	ystem on HBT-EP using a Deep			
	Learning Neu	iral Network						
Da Silva	Experimenta	l Study of the	e Toroidal Distr	ibution of Energetic Electro	n Loss in the Presence of a			
	Runaway Ele	ctron Mitiga	tion Coil (REM	C)				
Farre Kaga	Physics and S	Statistical An	alysis of Mach	ine Learning-based Tearing	Mode Prediction, with Application			
	to Experimer	ntal Tearing I	Mode Suppress	ion in the DIII-D Advanced I	nductive Scenario			
Khavin	Development of ECE-I and ECE Synthetic Diagnostics in NIMROD							
Zamkovska	A Cross-mac	hine Model f	or Halo Current	t in DECAF as a Criterion for	Deployment of Disruption			
Session title	Talk title			Chair	Assistant chair			
Session #3-1	9:00	10:30	Saturday	Logan	Yang			
Boozer	Electric Field Effects during Disruptions							
Guazzotto	Cylindrical Viscous Boundary Layer For Transonic Equilibrium							
Elster	Two-Fluid Effects on Linear Tearing Mode Stability							
Reiman	Development of a reliable quantitative prediction capability for magnetic island stabilization and							
	destabilizatio	on will requir	re experimenta	I data from systematic para	ameter scans			
Session #3-2	11:00	12:30	Saturday					
Yang	Metrics for Progress in Tokamak Stability Control							
All	Metrics for Progress in Tokamak Stability Control, Group Discussion							