

Global Stability	Tasks	Time
Menard	Assess NSTX-U ideal-wall limit with 2nd NBI	9:10 – 9:14
Berkery	RWM Stabilization Dependence on Neutral Beam Deposition Angle RWM Stabilization Physics at Reduced Collisionality	9:14-9:22
Sabbagh (and for Y.S. Park)	RWM control physics with partial control coil coverage (JT-60SA) RWM PID control optimization based on theory and experiment RWM state space control physics RWM state space active control at reduced plasma rotation	9:22-9:50
NTV		
Sabbagh	Neoclassical toroidal viscosity at reduced collisionality (independent coil control) NTV steady-state offset velocity at reduced torque with HHFW	
Error Fields		
Sabbagh	Multi-mode Error Field Correction with the RWM State-Space Controller	9:50-9:54
Park	Resonant error field threshold with non-resonant braking	
Kolemen	Expand the operational limit by real-time adaptive EFC	
La Haye for Lanctot	Real-time error field control using extremum seeking in NSTX-U	9:54-9:58
Myers	High-beta n=1,2,3 feed-forward error field correction Optimization of PID dynamic error field correction	10:00-10:04
Locked / Tearing Modes		
Myers	Minimum Value of q_{min}/q_0 and q shear to avoid core n=1 kink/tearing Low-beta, low-density locked mode studies	10:04-10:20
Delgado-Aparicio	Stabilization of radiated-induced tearing modes (RiTMs) using off-axis-heating	
Okabayashi	Comparative study of the Electro-magnetic torque application through feedback for NTM locking avoidance in DIII-D, RFX-mod and NSTX	10:20-10:24
La Haye	Make contact with NSTX for n=1 tearing mode stability Assess betaN and qmin n=1 tearing stability limits at the increased aspect ratio of NSTX-U	10:24-10:28
Paz-Soldan	Tearing onset through driven reconnection across rational surfaces	10:30-10:38
Kolemen	RMP NTM interaction	10:38-10:42
Sabbagh (for Y.S. Park)	NTM entrainment	10:42-10:46
Wang	Study of tearing mode stability in the presence of external perturbed fields	10:46-10:50
Plasma Response		10:50-10:58
Wang	Direct measurement of kinetic plasma response using Nyquist Analysis	
Evans	3D plasma response data for MHD and transport code validations	10:58-11:02
Nelson	Increased CHI Start-up Currents through Imposed Non-axisymmetric Perturbations	11:02-11:06
Disruptions		
Sabbagh	Disruption PAM Characterization, Measurements, and Criteria	11:06-11:10
Myers	Disruption halo current studies in NSTX-U	11:10-11:14
Raman (and for Jardin)	Investigation of Plasma Disruptions during Current Rampdown Massive Gas Injection Studies on NSTX-U	11:14-11:22
Eidietis	Using private flux MGI as super-radiative divertor for disruption mitigation Effect of snowflake on divertor heat flux during disruption	11:22-11:30
Izzo	Measure effect of extrinsic asymmetry (poloidal location of injector) on VDE mitigation Study 3D and 0D aspects of locked mode mitigation	11:30-11:38