

Day	Time slot	Abstract ID	Presenter	Title	Chair	
Mo	Session IA					Rejean Boivin
	8:30 AM - 9:00 AM	IA-01	Massimo Nocente	Fusion product measurements by nuclear diagnostics in the JET Deuterium-Tritium 2 campaign: lessons learnt and implications for ITER		
	9:00 AM - 9:30 AM	IA-02	Verena Geppert-Kleinrath	3D Characterization of the Burning Fuel in Inertial Confinement Fusion Implosions		
	9:30 AM - 10:00 AM	IA-03	Hans Rinderknecht	A Knock-on Deuteron Imager for Measurements of Fuel and Hotspot Asymmetry in Direct-Drive ICF Implosions		
	10:00 AM - 10:30 AM	IA-04	Patrick Adrian	An X-Ray Imaging Spectrometer (XRIS) System for diagnosing three-dimensional electron density and temperature profiles in ICF implosions at OMEGA		
	Session IB					Hans Herrmann
	6:30 PM - 7:00 PM	IB-01	Neel Kabadi	Simultaneous measurement of the DT-neutron and three x-ray emission histories from OMEGA cryogenic DT implosions with the Cryo Particle X-ray Temporal Diagnostic		
	7:00 PM - 7:30 PM	IB-02	Hermann Geppert-Kleinrath	10x faster Burn History Diagnostic demonstrating Burning Plasma in Inertial Confinement Fusion		
7:30 PM - 8:00 PM	IB-03	Ka Wai (Karry) Wong	First 3D electron temperature measurements of burning plasmas using novel limited view x-ray emission tomography on the National Ignition Facility			
8:00 PM - 8:30 PM	IB-04	Chad J. Forrest	Measurements of Low-Mode Asymmetries in Areal Density of Laser-Direct-Drive DT Cryogenic Implosions on OMEGA Using Neutron Spectroscopy			
Tue	Session IC					Calvin Domier
	8:30 AM - 9:00 AM	IC-01	Mariia Usoltceva	New technique for measuring low densities at the tokamak edge – concept, application on ASDEX Upgrade and prospects		
	9:00 AM - 9:30 AM	IC-02	Satyajit Chowdhury	A novel Doppler backscattering (DBS) system to simultaneously monitor radio frequency plasma fluctuations and low-frequency turbulence		
	9:30 AM - 10:00 AM	IC-03	Valerian Hall-Chen	Interpreting Doppler backscattering with beam tracing and reciprocity: theory and experiment		
	10:00 AM - 10:30 AM	IC-04	Jun Ren	Measurements of multiple heat flux components at the divertor target by using surface eroding thermocouples		
	Session ID					Greg Rochau
	2:00 PM - 2:30 PM	ID-01	Tom Ao	X-Ray Diffraction on Sandia's Z Machine		
	2:30 PM - 3:00 PM	ID-02	Pia Valdivia	Advanced refraction-based x-ray imaging diagnostics for HEDLP		
3:00 PM - 3:30 PM	ID-03	Luis Delgado-Aparicio	Dynamics of runaway electron seed formation, growth and suppression using a novel multi-energy x-ray pin-hole camera in MST tokamak plasmas			
3:30 PM - 4:00 PM	ID-04	Andrey Lvovskiy	Measurements of hard X-ray bremsstrahlung radiation from runaway electrons during the current quench and runaway plateau phase on DIII-D			
Wed	Session IE					Johan Frenje
	8:30 AM - 9:00 AM	IE-01	Ralph Kube	Machine-learning enabled automatic classification of KSTAR ECE images		
	9:00 AM - 9:30 AM	IE-02	Eric Harding	Self-Emission Crystal Imaging of MagLIF Targets on Z		
	9:30 AM - 10:00 AM	IE-03	Novimir Pablant	A New Class of Variable-Radii Diffraction Optics for High-Resolution X-Ray Spectroscopy at the National Ignition Facility		
	10:00 AM - 10:30 AM	IE-04	Patrick R. Champey	Toward the fabrication of a 5 $\mu$ m resolution Wolter microscope for the National Ignition Facility		
	Session IF					David Smith
	6:30 PM - 7:00 PM	IF-01	M. Galen Burke	Pedestal Magnetic Field Measurements during the ELM cycle on DIII-D using Spatial Heterodyne Spectroscopy		
	7:00 PM - 7:30 PM	IF-02	Seungsup Lee	First Demonstration of a Fiber Optic Bolometer on a Tokamak Plasma		
7:30 PM - 8:00 PM	IF-03	Guanying Yu	The pedestal-SOL ECE radiation inversion due to separatrix displacement from MHD activity in the H-mode pedestal			
8:00 PM - 8:30 PM	IF-04	George Dowhan	High-Magnification Faraday Rotation Imaging of X-Pinch Implosion Dynamics			
Thu	Session IG					Theodore Biewer
	8:30 AM - 9:00 AM	IG-01	Paul Schroeder	Update on a 2-Dimensional, Divertor Thomson Scattering (DTS-2D) System on DIII-D		
	9:00 AM - 9:30 AM	IG-02	Ken Hammond	Initial operation and data processing on a system for real-time evaluation of Thomson scattering data		
	9:30 AM - 10:00 AM	IG-03	Søren Bang Korsholm	ITER Collective Thomson Scattering – preparing to diagnose fusion born alpha particles		
	10:00 AM - 10:30 AM	IG-04	Kyle J. Swanson	Photon Doppler velocimetry diagnosis of plasma electron density		
	Session IH					Gareth Hall
	2:00 PM - 2:30 PM	IH-01	Derek Mariscal	A Flexible Proton Beam Imaging Energy Spectrometer (PROBIES) for High Repetition Rate or Single-Shot HED experiments		
	2:30 PM - 3:00 PM	IH-02	Elizabeth Grace	On-shot spatiotemporal laser wavefront characterization via wavelength-multiplexed holography for precision control of high-intensity laser plasma interactions		
3:00 PM - 3:30 PM	IH-03	Jerry Lee Clark	A high-resolution, sub-picosecond time-resolved spectrometer for studying high-energy density plasmas produced by short pulse lasers			
3:30 PM - 4:00 PM	IH-04	Brian Kraus	Sub-ps streaked x-ray line shapes and implications for solid-density plasma transport			