

# Collaborative Research in Magnetic Fusion Energy Sciences on International Tokamaks - Awards List

Project Title	Facility Name(s)	Facility Location(s)	PI Name(s)	Institution(s)	City, State
Boundary, SOL, and Divertor Physics Studies on TCV	Tokamak à configuration variable (TCV)	Lausanne, Switzerland	Schmitz, Oliver	University of Wisconsin-Madison	Madison, WI
			Marmar, Earl	Massachusetts Institute of Technology	Cambridge, MA
Design and Development of an Electron Cyclotron Emission Diagnostics Suite for Compass Upgrade Tokamak	COMPASS Upgrade	Prague, Czech Republic	Houshmandyar, Saeid	University of Texas at Austin	Austin, TX
Disruption Mitigation Solutions for Long-Pulse Tokamaks	Korea Superconducting Tokamak Advanced Research (KSTAR)	Daejeon, South Korea.	Baylor, Larry	Oak Ridge National Laboratory	Oak Ridge, TN
	Joint European Torus (JET)	Culham, U.K	Eidietis, Nicholas Hollmann, Eric	General Atomics University of California - San Diego	San Diego, CA San Diego, CA
Disruption Prediction and Avoidance in High Beta Long Pulse KSTAR Plasmas – Real Time Expansion	Korea Superconducting Tokamak Advanced Research (KSTAR)	Daejeon, South Korea.	Levinton, Fred	NOVA Photonics, Inc.,	Princeton, NJ
			Podesta, Mario	Princeton Plasma Physics Laboratory	Princeton, NJ
			Sabbagh, Steven	Columbia University	New York, NY
Evaluation of Tungsten as the Main Plasma-Facing Material in a Long-pulsed Tokamak	Tungsten (W) Environment in Steady-state Tokamak (WEST)	Cadarache, France	Unterberg, Ezekial	Oak Ridge National Laboratory	Oak Ridge, TN
			Curreli, Davide	University of Illinois	Urbana-Champaign, IL
			Diallo, Ahmed	Princeton Plasma Physics Laboratory	Princeton, NJ
			Donovan, David	University of Tennessee, Knoxville	Knoxville, TN
Fast Particle-Wave Interactions and Alfvén Eigenmodes in the JET Tokamak Plasmas	Joint European Torus (JET)	Culham, U.K	Porkolab, Miklos	Massachusetts Institute of Technology	Cambridge, MA
Long Pulse High Performance Scenarios and Control in EAST	Experimental Advanced Superconducting Tokamak (EAST)	Hefei, China	Humphreys, David	General Atomics	San Diego, CA
			Bonoli, Paul	Massachusetts Institute of Technology	Cambridge, MA
			Brower, David	University of California, Los Angeles	Los Angeles, CA
			Gentle, Kenneth	University of Texas at Austin	Austin, TX
			Holcomb, Christopher	Lawrence Livermore National Laboratory	Livermore, CA
			Poli, Francesca Maria	Princeton Plasma Physics Laboratory	Princeton, NJ
			Schuster-Rosa, Eugenio	Lehigh University	Bethlehem, PA
Turbulent Transport Studies at ASDEX Upgrade Enabled by Correlation Electron Cyclotron Emission and nT-phase Diagnostic	Axially Symmetric Divertor Experiment Upgrade (AUG)	Garching, Germany	White, Anne	Massachusetts Institute of Technology	Cambridge, MA
Physics Basis, Optimization, and Control for Integrated 3D Edge Long-Pulse Tokamak Scenarios	KSTAR AUG COMPASS Upgrade	Daejeon, South Korea.	Park, Jong-Kyu	Princeton Plasma Physics Laboratory	Princeton, NJ
			Frerichs, Heinke	University of Wisconsin-Madison	Madison, WI
		Garching, Germany Prague, Czech Republic	Kolemen, Egemen	Princeton University, Princeton, NJ	Princeton, NJ
			Lin, Zhihong	University of California, Irvine	Irvine, CA
Validation of energetic particle transport models for time-dependent integrated simulations of burning plasmas	JET AUG TCV	Culham, U.K	Podesta, Mario	Princeton Plasma Physics Laboratory	Princeton, NJ
		Garching, Germany	Collins, Cami	General Atomics	San Diego, CA
		Lausanne, Switzerland	Heidbrink, William	University of California, Irvine	Irvine, CA
			Spong, Donald	Oak Ridge National Laboratory	Oak Ridge, TN