

			Hinode	IPELS			
Sep.2	(Mon)	9:30	- 17:00	SWG (Closed meeting) in Gallery 1			
		17:00	- 19:00	Reception and registration in Event Space			
Sep.3	(Tue)	9:15	- 10:00	Registration in Event Space, coffee/tea			
		10:00	- 10:20	Opening Ceremony in Ito Hall			
				S1 Waves and turbulence (Sakurai)			
		10:20	- 10:50	a S1 L. Glesener (U. Minnesota, USA): Constraining coronal heating with multiwavelength measurements			
		10:50	- 11:20	a S1 D. Banerjee (IIAP, India): Waves and turbulence in the solar wind			
		11:20	- 11:50	a S1 W. Gekelman (UCLA, USA): Laboratory experiments on plasma waves relevant to solar and space plasmas			
		11:50	- 12:20	a S1 N. Raouafi (JHU, USA): Parker Solar Probe: First Results After Three Solar Encounters and Outlook			
		12:20	- 12:40	b S1 S. Bale (UC Berkeley, USA) : First results from the FIELDS instrument suite on Parker Solar Probe			
		12:40	- 13:00	b S1 M. Shoda (NAOJ, Japan): Three-dimensional simulation of the fast solar wind driven by compressible MHD turbulence			
		13:00	- 14:00	Lunch			
				S1 Waves and turbulence (Leenaarts)	IP2 Turbulence and Waves (Gekelman)		
		14:00	- 14:30	c S1 P. Testa (SAO, USA): EUV spectroscopy of active regions from view point of coronal heating mechanisms	IP2 C. Kletzing (U. Iowa, USA): Radiation belt wave observations on the Van Allen Probes and opportunities for lab experiments	14:00	- 14:20 d
		14:30	- 14:45	d S1 D. Brooks (George Mason U., USA): The drivers of active region outflows into the slow solar wind	IP2 T. Carter (UCLA, USA): Overview of the Basic Plasma Science Facility: the physics of waves relevant to space plasmas	14:20	- 14:40 d
		14:45	- 15:00	d S1 A. Tei (Kyoto U., Japan): IRIS Mg II observations and non-LTE modeling of off-limb spicules in a solar polar coronal hole	IP2 J. Buechner (MPI, Germany): Turbulence and structure formation by magnetic reconnection	14:40	- 15:00 d
		15:00	- 15:15	d S1 S. Jafarzadeh (U. Oslo, Norway): Wave heating of the lower solar atmosphere	IP2 M. Koepke (West Virginia U., USA): Alfvén wave experiments in the Large Plasma Device-Upgrade at UCLA	15:00	- 15:20 d
		15:15	- 15:30	d S1 T. Anan (NSO, USA): Shock heating energy in an umbra of a sunspot with integral field unit spectroscopy	IP2 A. Chernyshov (Space Research Institute, Russia): Inhomogeneous energy density driven instability as the most appropriate theory for the interpretation of broadband turbulence in the high-latitude region	15:20	- 15:35 e
		15:30	- 16:00	c S2 L. Ni (Yunnan Obs., China): Magnetic reconnection in the partially ionized low solar atmosphere	IP2 H. Hasegawa (ISAS, Japan): Generation and role of turbulence in Kelvin-Helmholtz vortices at Earth's magnetopause	15:35	- 15:50 e
					IP2 Y. Liu (U. of Science and Technology of China): Laboratory excitation of the Kelvin-Helmholtz instability in an ionospheric-like plasma	15:50	16:05 e
		16:00	- 18:00	Poster Session, coffee/tea in Event Space			
				S2 Magnetic reconnection (Ono)			
Sep.4	(Wed)	9:30	- 10:00	a S2 J.F. Drake (UMD, USA): Magnetic reconnection and particle acceleration in space and the laboratory			
		10:00	- 10:30	a S2 H. Warren (NRL, USA): Spectroscopic observations of current sheet formation and evolution			
		10:30	- 11:00	a S2 H. Tanabe (U.Tokyo, Japan): Ion and electron heating characteristics of magnetic reconnection in high field flux tube merging experiments			
		11:00	- 11:30	t Coffee/tea in Event Space			
				S2 & partly S3, special talks for Tarbell (DeRosa)	IP4 Magnetic reconnection (Drake)		
		11:30	- 11:45	d S2 G. Chintzoglou (LMSAL, USA): Detection of strong photospheric downflows accompanying magnetic cancellation in collisional polarity inversion lines of flare- and CME-productive active regions	IP4 J. Jara-Almone (PPPL, USA): Fast reconnection in partially ionized plasmas	11:30	- 11:50 d
		11:45	- 12:00	d S2 N. Ishizuka (U.Tokyo, Japan): Thermal Evolution of Plasmoids in Current Sheet of a Solar Flare	IP4 R. Horiuchi (NIFS, Japan): Roles of particle dynamics in merging processes of two spherical-Tokamak-type plasmoids	11:50	- 12:10 d
		12:00	- 12:15	d S3 D. Long (UCL/MSSL, UK): Coronal and chromospheric observations of pre- and post-flare plasma evolution	IP4 C. Z. Cheng (U.Tokyo, Japan): Kinetic theory of driven magnetic reconnection	12:10	- 12:25 e
		12:15	- 12:30	d S3 G. Kerr. (NASA/GSFC, USA): Observations and modelling of white light solar flares	IP4 H. Hara (NAOJ, Japan): Thermal Structures and Plasma Motions in Current Sheet of Eruptive Solar Flares	12:25	- 12:40 e
		12:30	- 12:45	d S4 Y. Suematsu (NAOJ, Japan): Ted Tarbell and Hinode	IP4 J. Fuchs (CNRS, France): Guide-field induced halting of magnetic reconnection in laboratory experiments	12:40	- 12:55 e
		12:45	- 13:00	d S4 A. Title (LMSAL, USA): Comments from Ted's friends			
		13:00	- 14:00	Lunch			
				S4 Convection and magnetic field (Bellot Rubio)	IP3 Plasma Dynamics (Bellot)		
		14:00	- 14:30	c S4 H. Tian (Beijing U., China): Prevalent small-scale jets in the solar atmosphere	IP3 M. Viktorov (Institute of Applied Physics, Russia): The dynamics of supersonic plasma flows interaction with the magnetic arch in a laboratory setup	14:00	- 14:20 d
		14:30	- 15:00	c S4 F. Chen (U. Colorado, USA): Realistic simulations of solar active regions: From emergence to eruption	IP3 H. Park (UNIST, Korea): Importance of axi-symmetry of the 1/1 kink mode (2-D or 3-D) in determination of the reconnection time scales in the sawtooth instability	14:20	- 14:40 d
		15:00	- 15:15	d S4 M. Gosic (LMSAL, USA): Unipolar versus bipolar internetwork flux appearance	IP3 S. Inoue (Nagoya U., Japan): An MHD modeling of the initiation and dynamics of the X9.3 flare observed in September 2017	14:40	- 14:55 e
		15:15	- 15:30	d S4 C. Fischer (KIS, Germany): Small-scale magnetic flux sheet emergence observed with Hinode	IP3 I. Roth (UC Berkeley, USA): Intermittent evolution of heliospheric magnetized structures: from solar braids to magnetic knots	14:55	- 15:10 e
		15:30	- 15:45	d S4 S. Castellanos Duran (MPS, Germany): Observing 8 kG magnetic fields in a bipolar light bridge using Hinode/SP	IP3 A. Bennet (Australian Natl. U., Australia): Non-local generation of plasma in a magnetic nozzle	15:10	- 15:25 e
		15:45	- 16:15	t Coffee/tea in Event Space	IP3 T. Yokoyama (U. Tokyo, Japan): Three-dimensional MHD turbulence reconnection by coupling among multiple tearing layers	15:25	- 15:40 e

			S2 Magnetic reconnection (Shibata)					
	16:15	- 16:45	a	S2 R. Ergun (U. Colorado, USA) : Magnetic Reconnection in the Earth's Magnetosphere				
	16:45	- 17:05	b	S2 J. Egedal (U. Wisconsin, USA): Collisionless reconnection in the Terrestrial Reconnection Experiment (TREX)				
	17:05	- 17:25	b	S2 C. Charles (Australian Nat. U.): Revisiting thermodynamics properties of electrons in nearly collisionless expanding plasmas				
	17:25	- 17:45	b	S3 R. Matsumoto (Chiba U., Japan): Numerical study of accretion discs				
	18:00	- 18:30		Buses leave for banquet venue				
	19:00	- 21:00		Banquet in Hotel Chinzano Tokyo				

			S5 Solar cycles and dynamos (DeLuca)					
Sep.5	(Thu)	9:30	- 10:00	a	S5 H. Hotta (Chiba U., Japan): Solar dynamo: achievements and perspective			
		10:00	- 10:30	a	S5 C. Forest (U. Wisconsin, USA) : A laboratory model for the Parker spiral and solar wind			
		10:30	- 10:50	b	S5 C. Moore (CfA, USA): Solar soft X-ray variations from the 2008-2019 solar cycle inferred from CORONAS/SphinX, GOES/XRS, Hinode/XRT, MinXSS, NuSTAR, and RHESSI instruments			
		10:50	- 11:20	t	Coffee/tea in Event Space			
					S3 Eruptive processes (Yokoyama)			
		11:20	- 11:40	b	S2 P. Antolini (U. St Andrews, UK): Reconnection microjets in solar coronal loops			
		11:40	- 12:00	b	S3 D. Baker (MSSL/UCL, UK): Evolution of transient Inverse FIP composition in a solar flare			
		12:00	- 12:30	a	S3 M. Janvier (U. Paris, France): Space weather and high energy phenomena			
		12:30	- 13:00	a	S3 K. Kusano (Nagoya U.): Predictability of solar flares based on satellite observations and MHD instability models			
		13:00	- 14:00		Lunch			
					S5 Solar cycles and dynamos / S3 Eruptive processes (Kubo)	IP1 Energetic Particles (Horiuchi)		
		14:00	- 14:30	c	S5 O. Benomar (NYU Abu Dhabi, UAE) Asteroseismology of Sun-like stars and the connexion to the Sun	IP1 M. Yamada (PPPL, USA): Cross-discipline study of the two-fluid dynamics and energetics of the magnetic reconnection in laboratory and space plasmas	14:00	- 14:15 e
		14:30	- 14:45	d	S5 D. Shiota (NICT, Japan): Hinode observation of Sun's polar regions over a solar cycle	IP1 L.J. Chen (NASA/GSFC USA): Plasma acceleration during magnetic reconnection in the terrestrial magnetosphere, laboratory, and at the Sun	14:15	- 14:35 d
		14:45	- 15:15	c	S3 X. Sun (U. Hawaii, USA): Magnetic field of solar eruptive and non-eruptive events	IP1 S. Usami (NIFS, Japan): Formation of anomalous velocity distribution based on the pickup-like ion motions during magnetic reconnection	14:35	- 14:55 d
		15:15	- 15:30	d	S3 V. Polito (LMSAL, USA): Broad non-Gaussian Fe XXIV line profiles in the impulsive phase of the 2017 September 10 X8.3 class flare observed by Hinode/EIS	IP1 Y. Ono (U. Tokyo, Japan): First results form TS-6 and ST-40 tokamak merging experiments	14:55	- 15:10 e
		15:30	- 15:45	d	S3 N. Panesar (LMSAL, USA): Small-scale jets observed at sites of flux cancelation	IP1 S. Totorica (Princeton U., USA): Kinetic simulations of the dynamic magnetotail	15:10	- 15:25 e
		15:45	- 16:00	d	S3 K. Watanabe (NDA, Japan): A systematic study of non-thermal emissions to search for characteristics of white-light flares and comparison with magnetic features"	IP1 Peter Heuer (University of California, Los Angeles, USA): Studying magnetospheric collisionless beam instabilities and ULF waves in the laboratory	15:25	- 15:40 e
						IP1 Kiyoto Shibasaki (Solar Physics Research Inc., Japan): Magnetic moment of thermal plasma: Revisiting the Bohr-van Leeuwen theorem	15:40	- 15:55 e
		16:00	- 18:00		Poster Session in Event Space, coffee/tea			

			S3 Eruptive processes (Park)					
Sep.6	(Fri)	9:30	- 10:00	a	S3 H.J. (PPPL, USA): Laboratory study of ideal MHD instabilities and magnetic reconnection relevant to solar eruptive phenomena			
		10:00	- 10:20	b	S3 P. Bellan (Caltech, USA): How solar eruptions generate X-rays and energetic particles			
		10:20	- 10:40	b	S3 D. Kuridze (Aberystwyth U., UK): Mapping the magnetic field of flare coronal loops			
		10:40	- 11:00	b	S3 S. Toriumi (ISAS, Japan): Flare-productive active regions: Hinode's view and beyond			
		11:00	- 11:30	t	Coffee/tea in Event Space			
					S6 Future plans, new instrumentation (Harra)			
		11:30	- 11:50	b	S3 R. Ishikawa (NAOJ, Japan): First results of the Chromospheric LAyer Spectro-Polarimeter (CLASP2)			
		11:50	- 12:10	b	S3 I. Hannah (U. Glasgow, UK): NuSTAR observations of the quietest Sun			
		12:10	- 12:30	b	S6 T. Shimizu (ISAS, Japan): The Solar-C_EUVST mission			
		12:30	- 12:50	b	S6 L. Tarr (NSO, USA): Synergy science with DKIST and Solar-C_EUVST			
		12:50	- 14:00		Lunch			
					S6 Solar-C_EUVST (Future plans, new instrumentation) (Banerjee)	IP5 Shocks, Flows and Turbulence (Buechner)		
		14:00	- 14:15	d	S6 S. Imada (Nagoya U., Japan): Science objectives of the Solar-C_EUVST	IP5 R. Bingham (U. Strathclyde, UK): Collisionless shocks in laboratory and space plasmas.	14:00	- 14:20 d
		14:15	- 14:30	d	S6 H. Iijima (Nagoya U., Japan): Effect of non-equilibrium ionization on the solar EUV/X-ray spectral diagnosis	IP5 Y. Sakawa (Osaka U., Japan): Effect of electrostatic ion two-stream instability on the laser-driven collisionless shock ion acceleration in multi-ion species plasma	14:20	- 14:40 d
		14:30	- 14:45	d	S6 T. Kawate (ISAS, Japan): EUVST instrumental design and observation capability	IP5 V. Belyaev (Central Res. Inst, Russia): Modeling of astrophysical jets under conditions of laser relativistic magnetocotive plasma	14:40	- 14:55 e
		14:45	- 15:00	d	S6 S. Solanki (MPS, Germany): Solar Orbiter and possible synergy science with Solar-C_EUVST	IP5 T. Umeda (Nagoya U., Japan): Full particle-in-cell simulation of the interaction between two plasmas for laboratory experiments on the generation of magnetized collisionless shocks with high-power lasers	14:55	- 15:10 e
		15:00	- 15:15	d	S6 T. Schad (NSO, USA): On single point plasma diagnostics in the solar corona using the DKIST	IP5 J. Matteucci (Princeton U., USA): Role of the Biermann effect in 3-D magnetic reconnection in laser-driven experiments and space plasmas	15:10	- 15:25 e
		15:15	- 15:30	d	S6 N. Narukage (NAOJ, Japan): Satellite mission: PhoENIX (Physics of Energetic and Non-thermal plasmas in the X (= magnetic reconnection) region)			
		15:30	- 16:00	t	Coffee/tea in Event Space			
		16:00	- 17:30		Discussion (Yamada) + Closing Ceremony (Shimizu)			