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Turbulent Mixing and Beyond Workshop: Mixing in Rapidly Changing Environments - Probing Matter at the Extremes | (smr 2596)

Monday 04 August 2014

- AGH (Kastler Lecture Hall) (08:30-18:40)

time	title	presenter
08:30	Welcome and Opening Remarks	
09:00	Self-organization and transport processes (e.g. momentum) in high energy plasmas*	COPPI, B.
09:30	Explosive mixing in Magnetized Plasmas	COWLEY, S.
10:05	Coffee Break	
10:30	Structural instability of a subdiffusive fractional equation and its regularisation	FEDOTOV, S.
11:00	Streamline segments in turbulent flows and their statistics	PETERS, N.
11:35	Experimental Investigation of the emergence of chaos in the dynamics of current sheets and flux ropes	GEKELMAN, W.
12:10	An energy-entropy method for global stability in two-dimensional hydrodynamics	TSANG, Y.-K.,
12:40	Lunch Break	
14:00	Novel regimes of fluid flows, instabilities, and mixing in high energy density settings	REMLINGTON, B.A.
14:35	Self-generated magnetic fields in Rayleigh-Taylor unstable laser produced plasmas	IGUMENSHCHEV I.V.
15:05	Multiphase equations of state for metals under intense pulsed influences	KHISHCHENKO, K.V.
15:35	Suppression of Rayleigh-Taylor instability and its Application to Impact Ignition	AZECHI, H.
16:10	Coffee Break	
16:30	Flow and grow: simultaneous global measurement of velocity fields and reaction fronts	KELLEY, D.H.
17:00	Angular momentum "unmixing" and anisotropic turbulence - laboratory experiment	GALPERIN, B.
17:35	Rayleigh-Taylor Instabilities and non-equilibrium plasma dynamics in rapidly changing ionospheric environments	MAHALOV, A.
18:10	Turbulence spreading in magnetized plasmas	HAHM, T.S.