

Thursday 4th April

	Astrophysical turbulence and dynamo models cont ...
09:00 – 09:25	Talk: Joonas Nättilä (Chair: Petri Käpylä) Microphysics of relativistic kinetic plasma turbulence
09:25 – 09:50	Talk: George Mamatsashvili MHD turbulence in Keplerian disks – specific anisotropy of nonlinear processes, active modes, dynamical balances and sustenance
09:50 – 10:15	Talk: Itzhak Fouxon Transport by compressible turbulence and growth of magnetic field in planar flows
10:15 – 10:45	Break
	Solar dynamo and the solar system
10:45 – 11:25	Keynote Lecture: Maarit Käpylä (Chair: Savita Mathur) From simulating stellar dynamos to understanding them and beyond
11:25 – 11:50	Talk: Virendra Verma Cyclic North-South Asymmetry of the Sun
11:50 – 12:15	Talk: Nishant Singh On the possibility of using the solar f-mode to detect subsurface magnetic field
12:15 – 12:40	Talk: Lionel Bigot Solar cycle effects on p-mode frequencies
12:40 – 14:00	Lunch
14:00 – 14:25	Talk: Atefeh Barekat (Chair: Frank Stefani) Anisotropically forced turbulence simulations to study the changing conditions in the solar near-surface shear layer
14:25 – 14:50	Talk: Matthias Steffen Solar surface convection simulations with modified microphysics
14:50 – 15:15	Talk: Sarah Jabbari Formation of dynamo-driven bipolar magnetic spots in stratified turbulence (pdf)
15:15 – 15:45	Break
15:45 – 16:10	Talk: Illa Losada (Chair: Thomas Hackman) Formation of bipolar active regions
16:10 – 16:35	Talk: Philippe Bourdin Dissipation of magnetic energy during collisionless reconnection
16:35 – 16:50	Talk: Ben Snow Shock substructure in partially-ionised plasma
17:15 – 19:15	Hotel sauna
19:45 – 22:00	Conference dinner Matthias Steffen's rocket talk