

Preliminary program (as of April 2)

times	Monday 4/3	Tuesday 4/4	Wednesday 4/5	Thursday 4/6	Friday 4/7
8h50 - 9h20	Eric Sonnendrücker	Eric Sonnendrücker	Eric Sonnendrücker	Giovanni Manfredi	
9h20 - 9h50	Introduction to Finite Element Exterior Calculus	A discrete variational framework for the Vlasov-Maxwell equations	Modern gyrokinetic theory and its implementation	Kinetic modelling of the plasma-wall transition in magnetized fusion plasmas	Shi Jin
9h50 - 10h20					Uncertainty quantification in kinetic equations
					Michael Kraus
					Discontinuous Galerkin Variational Integrators for Degenerate Lagrangians
10h20-10h40	break	break	break	break	break
10h40 - 11h10	Josh Burby	Josh Burby	Josh Burby	Mohammed Lemou	
11h10- 11h40	Discrete collisionless kinetics: how far we've come and where we're going	Discrete collisionless kinetics: how far we've come and where we're going	Discrete collisionless kinetics: how far we've come and where we're going	Averaging techniques and uniformly accurate numerical approximations of Vlasov equations with strong magnetic field	
11h40 - 12h10					
12h10-13h40	lunch	lunch	lunch	lunch	SHUTTLE IESC > AJA
13h40-14h10	Hélène Hivert	Andreas Stegmeir		Giovanni Manfredi	
	An AP scheme for a kinetic equation describing propagation phenomena	Flux-Coordinate Independent approach		Kinetic modelling of the plasma-wall transition in magnetized fusion plasmas	
14h10-14h40	Maxime Herda	Mihai Bostan			
	Derivation of hydrodynamic models for massless electrons in magnetized plasmas	Averaging methods for particle systems			
14h40 - 15h10	Mehdi Badsì	Stéphane Heuraux			
	Drift asymptotic schemes for the Euler-Lorentz system	Simulations on wave propagation in magnetized plasmas inducing questions in special cases: large areas with null refractive index, resonance amplification in white noise, bad evolution of the computation time for very large values of the refractive index			
15h10 - 15h30	break	break	break	break	
15h30 - 16h	Francis Filbet	Cesare Tronci		Mohammed Lemou	
	On the asymptotic limit of the three dimensional Vlasov-Poisson system for large magnetic field	Modeling efforts in hybrid kinetic-MHD systems		Averaging techniques and uniformly accurate numerical approximations of Vlasov equations with strong magnetic field	
16h - 16h30	Stefan Possanner				
	Finite-order guiding-center transformations from algebraic equations				
16h30 - 17h					
	19h: Welcome drink (IESC)			Social dinner (IESC)	