Schedule

Workshop on

"Vlasov-Poisson in cosmology and plasma physics: monokinetic and multi-beam/stream solutions"

WPI, Vienna, 18. – 22. December 2017

Monday, 18th December

Cornelius Rampf (U. Heidelberg): "Shell-crossing in quasi-one-dimensional flow"
Coffee break
Stephane Colombi (I.Astrophysique Paris):

"Phase-space structure of dark matter proto-halos: pre- and -post-collapse regimes"

16:15 Coffee break

Tuesday, 19th December

09:30	Toan Nguyen (U. Pennsylvania): "Long-time estimates for Vlasov-Maxwell in the non-relativistic limit"
10:15	Coffee break
14:30	Maxime Lesur (U. Lorraine): "Plasma turbulence and transport dominated by nonlinear kinetic effects"
15:15	Coffee break

Wednesday, 20th December

09:30	Yann Brenier (CNRS X Palaiseau): "On the MAK reconstruction method for the early universe"
10:15	Coffee break
14:30	Özgür Gürcan (U. PMC Paris): "Dynamics of a shell model of bounced averaged gyrokinetic Vlasov Equation"
15:15	Coffee break

Thursday, 21th December

09:30	Patrick Diamond (UC San Diego): "Quasi-Geostrophic Fluids and Vlasov Plasmas: Parallels and Intersections"
10:15	Coffee break
15:00	Cora Uhlemann (U. Cambridge): "Finding closure - what Schrödinger-Poisson can teach us about cumulant hierarchies"
15:45	Coffee break

Friday, 22th December

- 10:00
 Pierre Germain (NYU Courant):

 "Recent mathematical progress on weak turbulence"
- 10:45 Coffee break