

Workshop on "Relativistic Vlasov Theory"

Location: WPI Seminar Room C 714 Tue, 27. Nov (Opening: 09:00) - Fri, 30. Nov 12

Organisation(s)
WPI

Organiser(s)
Simone Calogero (Granada)
Michael K.-H. Kiessling (Rutgers)
Norbert J. Mauser (WPI c/o U. Wien)

Tuesday November 27th

09:00 – 10:15 Bardos, Claude: *The Vlasov-Dirac-Benney equation*

10:45 – 12:00 Calvo, Juan: *Dispersion properties in gravitational kinetic systems and macroscopic limits*

14:00 – 15:15 Calogero, Simone: *On solutions of the relativistic Vlasov-Maxwell system isolated from incoming radiation*

16:00 – 18:00 Topical Discussion: TBA

Wednesday November 28th

09:00 – 10:15 Bostan, Mihaï: *On the Cauchy problem for the Nordström-Vlasov equations*

10:45 – 12:00 Sospedra Alfonso, Reinel: *On the Cauchy problem for the relativistic Vlasov-Darwin system*

14:00 – 15:15 Clément Mouhot: *Landau damping and relaxation with constant entropy for mean-field equations*

16:00 – 17:15 Fajman, David: *Non-linear stability of the Einstein-Vlasov system in 2+1 dimensions*

Thursday November 29th

09:00 – 10:15 Pankavich, Stephen: *Global classical solutions for the Relativistic Vlasov-Maxwell-Fokker-Planck system*

10:45 – 12:00 Lemou, Mohammed: *On non-linear stability for some relativistic Vlasov systems*

14:00 – 15:15 Smulevici, Jacques: *The Einstein-Vlasov system and cosmological spacetimes with 2-d surfaces of symmetry*

16:00 – 18:00 Topical Discussion: TBA

Friday November 30th

09:00 – 10:15 Young, Brent: *On the N-body approach to the relativistic Vlasov-Poisson equations*

10:45 – 12:00 Golse, François: *The Mean-Field limit for a Regularized Vlasov-Maxwell Dynamics*

14:00 – 15:15 Elskens, Yves: *On the N-body foundations of the relativistic Vlasov-Maxwell equations*