

2. PK-3 Plus Symposium

Agenda

Place: New Seminar Room, MPE

Monday, 17. December 2007

10:00 Coffee Break

10:30 Welcome	G. Morfill
10:40 History of PK-experiments: PK-1, PK-2 and 20 missions of PK-3	V. Molotkov
11:10 Status PK-3 Plus and the filamentary mode	H. Thomas
11:30 Remarks from expedition ISS-13	P. Vinogradov
12:00 Electrorheological plasmas	A. Ivlev
12:20 Analysis methods	C. R�ath

12:30 Lunch

13:30 Complex plasmas in 3-D: Narrow channels, local order and beyond	B. Klumov
13:50 Circulation and convection in complex plasmas	S. Zhdanov
14:10 Transport properties of particles in PK-3 Plus data	S. Ratinskaya
14:30 Critical Point and siglo-2d simulations	S.A. Khrapak
14:50 Waves in PK-3 Plus	M. Schwabe

15:10 Coffee Break

15:40 Heart-beat instability	R. Heidemann
16:00 PK-4 Status	M. Thoma
16:20 PlasmaLab	U. Konopka

18:30 Bavarian Christmas Buffet

Thursday, 18.12.2007

10:00 Coffee Break

10:30 Plasma medicine	R. Pompl
10:50 Particle injections and variations in plasma glow	V. Yaroshenko
11:10 Spectroscopic measurements in PK-3 Plus	S. Mitic
11:20 Instability in a dust cluster caused by repetitive high-voltage nanosecond pulses	M. Pustynnik
11:40 Particles growth in cryogenic plasmas	S. Shimizu

12:00 Lunch

13:00 Coffee Break

13:20 Mach-cones in complex plasmas	Ke Jiang
13:40 Lane formation in colloidal suspensions	H. Löwen
14:00 Penetration and lane formation	M. Rubin-Zuzic
14:20 Penetration of dust grains through an electrorheological plasma	A. Lipaev
14:40 Rheology experiments with monolayer complex plasmas	V. Nosenko
15:00 Parametric action on dust particles in plasma	L. Vasilyak
15:20 Summary	G. Morfill

15:30 End of Symposium /Coffee Break