

JOINT VARENNA - LAUSANNE INTERNATIONAL WORKSHOP ON

THEORY OF FUSION PLASMAS

Villa Monastero, August 28 - September 1, 2000

PROGRAMME

Monday, August 28, 2000

09:20 - 10:00		<i>Welcome</i>	CONNOR
10:00 - 10:45	I-1		ZONCA Theoretical aspects of collective mode excitations by energetic ions in tokamaks
10:45 - 11:15		<i>Coffee Break</i>	
11:15 - 12:00	I-2		JAUN Mode conversion and models for the stability of Alfvén eigenmodes
12:00 - 12:45	I-3		NGUYEN Recent advances on the physics of the wave plasma interaction in the ion cyclotron range of frequency
13:00		<i>Group Photo</i>	
15:00 - 15:45	I-4		JAEGER Full-wave calculation of sheared poloidal flow driven by harmonic ion Bernstein waves in TFTR and FTU
15:45 - 16:30	I-5		HEDIN Self consistent calculations of the velocity distribution and wave field during ICRH
16:30 - 17:00		<i>Coffee Break</i>	
17:00 - 17:45	I-6		KUKUSHKIN Fast nonlocal transport of heat by electromagnetic waves in tokamak plasmas
21:30		<i>Welcome Party at Villa Cipressi</i>	

Wednesday, August 30, 2000

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|---------------|------|---|
| 9:00 - 9:45 | I-11 | JOST
Global linear gyrokinetic PIC simulations in 3D magnetic configurations |
| 9:45 - 10:30 | I-12 | CANDY
Progress towards a full radius continuum gyrokinetic simulation code |
| 10:30 - 11:00 | | <i>Coffee Break</i> |
| 11:00 - 11:45 | I-13 | LEE
Perturbative split-weight scheme for electron dynamics in gyrokinetic particle simulation |
| 11:45 - 12:30 | I-14 | REITER
Models for transport in partially ergodized magnetic fields |
| 15:00 - 15:45 | I-15 | ZEILER
Turbulence in the edge of tokamak plasmas |
| 15:45 - 16:15 | | <i>Coffee Break</i> |
| 16:15 - 17:00 | I-16 | SMOLYAKOV
shear flow instability in magnetized plasma and geostrophic fluids |
| 18:00 | | <i>Departure for Banquet from Main Square</i> |

Thursday, August 31, 2000

- 9:00 - 9:45 I-17 **HENDER**
MHD limiting JET optimised shear performance
- 9:45 - 10:30 I-18 **LUTJENS**
Nonlinear MHD simulations with XTOR of moderate-n ballooning modes destabilized by internal kinks and of tearing instabilities
- 10:30 - 11:00 *Coffee Break*
- 11:00 - 11:45 I-19 **KRUGER**
Magnetohydrodynamic simulations with NIMROD
- 11:45 - 12:30 1-20 **WILSON**
Theory of the polarization current model for the neoclassical tearing mode threshold
- 15:00 - 18:00 **POSTER SESSION 2: P-15 to P-?**
Villa Cipressi
- Coffee-break is served at 16:30*

Friday, September 1, 2000

9:00 - 9:45	I-21	LONTANO Kinetic simulation of IBW induced transverse ion flows
9:45 - 10:30	1-22	ILGISONIS Some effects of sheared plasma rotation in tokamak equilibria
10:30 - 11:00		<i>Coffee Break</i>
11:00 - 11:45		Closing Workshop