

**16th IAEA Technical Meeting on Research Using Small Fusion Devices
30 November 2 December 2005**

**Marcos Moshinsky Auditorium
Instituto de Ciencias Nucleares UNAM**

	Tuesday 29	Wednesday 30	Thursday 1	Friday 2
9:00-9:50		Registration-Opening	Invited Talk 5	Invited Talk 7
9:50-10:15		Invited Talk 1	Oral Contribution 6	Oral Contribution 12
10:15-10:40		Invited Talk 1	Oral Contribution 7	Oral Contribution 13
10:40-11:05		Oral Contribution 1	Oral Contribution 8	Oral Contribution 14
		Coffee Break		
11:30-12:20		Invited Talk 2	Invited Talk 6	Invited Talk 8
12:20-12:45		Invited Talk 3	Oral Contribution 9	Invited Talk 9
12:45-13:10		Invited Talk 3	Oral Contribution 10	Invited Talk 9
13:10-13:35		Oral Contribution 2	Oral Contribution 11	Oral Contribution 15
		Lunch	AIC Meeting	
15:40-16:30		Invited Talk 4	Poster Session 1	Oral Contribution 16
16:30-16:55	Registration	Oral Contribution 3	Poster Session 1	Summary
16:55-17:20	at Radisson	Oral contribution 4	Poster Session 1	and
17:20-17:45	Hotel	Oral Contribution 5	Poster Session 1	Discussion

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Programme

Tuesday 29th

17:00-19:00 Registration at the lobby of the Radisson Hotel

Wednesday 30th

9:00-9:50 Registration and Opening

9:50-10:40 Mikhail Gryaznevich, Joint Research using Small Tokamaks (IT-1)

10:40-11:05 Martin Hron, Edge plasma studies and related diagnostics on CASTOR tokamak (OC-1)

11:05-11:30 [Coffee Break](#)

11:30-12:20 E.A. Azizov, Today status of experiments on tokamak T-11M (IT-2)

12:20-13:10 Guido Van Oost, Proposals for an influential role of small tokamaks in mainstream fusion physics and technology research (IT-3)

13:10-13:35 Davoud Dorranean, Recent Results of IRAN-T1 Tokamak (OC-2)

13:35-15:40 [Lunch](#)

15:40-16:30 Vladimir Gribkov, Plasma and beams dynamics in PF-1000 device under the full-scale energy storage (IT-4)

16:30-16:55 Pavel Kubes, Time of the neutron production on Z-pinch and plasma focus devices (OC-3)

16:55-17:20 Stuart V. Springham, Studies of Fusion Protons in a 3He-D_2 Plasma Focus using Nuclear Track Detectors (OC-4)

17:20-17:45 Lech, Jakubowski, Studies of X-ray spectral lines polarization in correlation with the emission of supra-thermal electrons in Plasma-Focus discharges (OC-5)

Thursday 1st

- 9:00-9:50 Paul Bellan, Dynamics and collimation of plasma jets involved in spheromak formation (IT-5)
- 9:50-10:15 Antar Ghassan, Information about the Turbulent Radial Transport in Tokamaks from the PISCES Linear Plasma Device (OC-6)
- 10:15-10:40 E.A. Azizov, The prospects of creation the compact Tokamak-reactor with $A=2$ and warm EMS and project "Kazakhstan Tokamak for material testing (KTM) (OC-7)
- 10:40- 11:05 Friedwart, Winterberg, Thermonuclear Plasma Confinement with Thermomagnetic Currents Generated by Nuclear Reactions from Fusion Neutrons (OC-8)
- 11:05-11:30 [Coffee Break](#)
- 11:30-12:20 Sergei Mirnov, Perspectives of the Lithium Capillary-Pore System Application in Fusion: Experiments with Lithium Limiter on T-11M Tokamak (IT-6)
- 12:20-12:45 Rui Gomes, First results of the testing of the liquid Gallium limiter concept on ISTTOK (OC-9)
- 12:45-13:10 Martín Nieto, Plasma-Material Interaction Studies on Lithium and Lithiated Substrates During Compact Tokamak Operation (OC-10)
- 13:10-13:35 Lyudmila Krupnik, Plasma Electric Potential Evolution at the Core and Edge of the TJ-II Stellarator and T-10 Tokamak (OC-11)
- 13:35-15:40 [LUNCH](#)
- 15:40-17:45 Poster Session

Friday 2nd

- 9:00-9:50 Troy Carter, Intermittent turbulence and coherent structure generation in LAPD and ET (IT-7)
- 9.50-10:15 Petru C. Balan, Measurements of the Radial Electric Field by Emissive Probes in ISTTOK (OC-12)
- 10:15-10:40 Leopoldo Soto, Studies on the scale relations in plasma focus devices from tens of kilojoules to less than one joule: A review of the research at the Chilean Nuclear Energy Commission (OC-13)
- 10:40- 11:05 Julio Herrera, Review on the neutron generation mechanisms in dense plasma focus devices (OC-14)
- 11:05-11:30 [Coffee Break](#)
- 11:30-12:20 Li Wei, Recent experimental results in the HL-2A tokamak (IT-8)
- 12:20-13:10 Munemasa Machida, Electron Temperature and Density Measurements by the Unicity of Particle Confinement Time on the TCABR Tokamak (IT-9)
- 13:10-13:35 Horácio Fernandes, ISTTOK upgrade towards AC and remote operation (OC-15)
- 13:35-15:40 [LUNCH](#)
- 15:40-16:05 Arturo Robledo, Temperature Measurements in the UAM Z-pinch (OC-16)
- 16:05-17:05 Summary and Discussion

Poster Session

Dense Magnetised Plasmas

PS-1	María Magdalena Milanese	The Dense Plasma Focus Group of IFAS at Argentina: A brief history and recent direction of the investigations.
PS-2	Martín Nieto	Dynamic Simulation of High-Density Pinch Plasmas for EUV Litography Applications
PS-3	Leopoldo Soto	Research in a gas embedded Z-pinch driven by the mega-ampere device SPEED2
PS-4	Krzysztof Tomaszewski	Diagnostic System for Time-of-Flight Neutron Measurements
PS-5	Felipe Veloso	Comparison Between Laser Initiated Hollow Gas Embedded Z-pinchs with Different Initial Radius
PS-PD1	Fermín Castillo-Mejía	Study of the neutron spectrum of the dense plasma focus FN-II by time of flight analysis

Innovative Concepts and Supporting Research

PS-6	Gennady Vorobyov	The Experiments of the Small Spherical Tokamak Gutta
PS-7	César Gutierrez-Tapia	Electron cyclotron current drive in presence of a ponderomotive force
PS-8	Rajabbay T. Khaydarov	Improvement of characteristics of laser source of ions for different accelerators using two-element targets

Stellarator and Tokamak Research

PS-9	Lyudmila Krupnik	Quasi-Coherent Oscillations in the TJ-II Stellarator
PS-10	Samuel Barocio	A comparative calculation of the intrinsic stochasticity of tokamak divertor configuration
PS-11	Esteban Chávez-Alarcón	Stochastization of magnetic field surfaces in tokamaks by an inner coil
PS-12	H. Hegazy	EGYPTOR Tokamak Progress and First Results
PS-13	Pejman Khorshid	MHD Instabilities and Their Effects on Plasma Column Behavior in Tokamak
PS-14	Munemasa Machida	Impurity Ion Density and Z effective Determinations Using the Method of Sublevel Statistical Equilibrium in the NOVA-UNICAMP TOKAMAK
PS-15	Celso Ribeiro	Alfvén Wave Heating in High Density Plasmas on TCA-BR