

Agenda THEORY-1

Sinaia, 27-29 September 2010

Monday, 27 September 2010	
8:00	Registration
8:45	Opening session
8:45-9:00	F.-J. Hamsch, V. Avrigeanu: Welcome
9:00	Session I (Chair: N. Carjan)
9:00-9:30	V. Zamfir: Possibilities at the Tandem laboratory of IFIN-HH
9:30-10:15	J. Randrup: Event-by-event fission
10:15-10:45	K. Pomorski: Light-particle emission from deformed, hot and rotating nuclei
10:45-11:15	Coffee Break
11:15-12:00	N. Dubray: Microscopic description of the fission process with the Gogny force
12:00-12:30	O. Serot: Investigation of the prompt neutron properties from a Monte Carlo simulation of the fission fragment de-excitation
12:30	lunch
14:00	Session II (Chair: J. Randrup)
14:00-14:30	T. Wada: Re-absorption and scattering of scission neutrons by the fission fragments
14:30-15:00	S. Gmuca: Pre-scission neutron emission from proton induced fission
15:00-15:30	K. Mazurek: Potential energy surfaces for the 3-dimension Langevin calculation
15:30-16:00	Coffee Break
16:00	Session III (Chair: K. Pomorski)
16:00-16:30	M. Rizea: Time dependent approach to the transition of the fissioning nucleus from saddle to scission
16:30-17:00	M. Mirea: Odd-even effect in cold fission
17:00-17:30	E. Vardaci: Statistics vs. dynamics in fission: lights and shades from systems of intermediate fissility
17:30-18:00	R. Gherghescu: Two and three center shell models for binary and ternary fission
18:00	closure, day 1
18:30	Workshop Reception
21:30	end

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Tuesday, 28 September 2010	
9:00	Session IV (Chair: F.-J. Habsch)
9:00-9:45	K.H. Schmidt: Excitation-energy sorting in pre-scission dynamics
9:45-10:30	M. Mutterer: Correlation measurements with neutrons and γ-rays in binary and ternary fission of ^{252}Cf
10:30-11:00	Coffee Break
11:00	Session V (Chair: O. Serot)
11:00-11:45	S. Oberstedt: Fission γ-ray data measurements – a challenging endeavour
11:45-12:30	K. Nishio: Fission dynamics in heavy ion collisions on ^{238}U
12:30-13:00	G. Boutoux: Neutron-induced capture cross sections via the surrogate reaction method
13:00	lunch
14:30	
	EXCURSION
	To a place of interest in the neighbourhood of Sinaia
17:30	closure, day 2
19:00	Conference Dinner
22:30	end

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Wednesday, 29 September 2010	
09:00	Session VI (Chair: V. Avrigeanu)
9:00-9:45	A. Tudora: Total excitation energy partition between fission fragments forming a pair
9:45-10:30	S. Perez-Martin: Assessments in the computation of fission prompt neutron multiplicity by statistical decay of fragments
10:30-11:00	Coffee Break
11:00	Session VII (Chair: K.-H. Schmidt)
11:00-11:45	D. Poenaru: Extension of nuclear fission theory to the Coulomb explosion of metallic clusters
11:45-12:30	L. Tassan Got: ^{237}Np fission cross section, new data and comparison to critical experiments
12:30	lunch
14:00	Session VIII (Chair: S. Oberstedt)
14:00-14:30	V. Manea: Fission fragment total kinetic energy calculation for prompt neutron emission evaluation purposes
14:30-15:00	I. Ruskov: Resonance neutron induced fission of ^{239}Pu
15:00-15:30	I. Companis: Neutron emission in fission process by n-n correlation function measurement
15:30-16:00	Coffee Break
16:00	Session IX (Chair: A. Isar)
16:00-16:45	E. Grosse: Radiative neutron capture and photonuclear data in view of global information on electromagnetic strength and level density
16:45-17:15	M. Avrigeanu: Complementary deuteron breakup and induced activation analysis
17:15	end, day 3
19:00	Dinner
21:30	end