

Tuesday – September 23, 2008

8.00 - 10.00 ENEN Presentations Session 1

Club Casino

Chair: Prof. Michel Giot

Measurement of Fragment Mass Distributions in Neutron-induced Fission of ^{238}U and ^{232}Th at Intermediate Energies

V.D. Simutkin

Development of Radioanalytical and Microanalytical Procedures for the Determination of Actinides in Environmental Samples

Zsuzsanna Mácsik, Nóra Vajda, Balázs Bene, Zsolt Varga

Development of an Analytic Nodal Diffusion Solver in Multigroups for 3D Reactor Cores with Rectangular or Hexagonal Assemblies

Juan Andrés Lozano, José María, Aragonés, Nuria García-Herranz

Sulphate Incorporation in Borosilicate Glasses and Melts: a Kinetic Approach

M. Lenoir, A. Grandjean, J.L. Dussossoy, D.R. Neuville

10.00 - 10.30 Coffee Break

10.30 - 12.30 ENEN Presentations Session 2

Club Casino

Chair: Prof. Emilio Minguez

A Thermodynamic Model for the Fuel of a Molten Salt Actinide Burner

Ondrej Benes

New Developments in Actinides Burning with Symbiotic LWR-HTR-GCFR Fuel Cycles

Eleonora Bomboni¹

Predictive Modelling of Brittle Crack Propagation in Ferritic Steel with the X-FEM

Benoit Prabel, Stéphane Marie, Alain Combescure

A Stochastic Proof of the Resonant Scattering Kernel and its Applications for Gen IV Reactors Type

B. Becker, R. Dagan, C.H.M. Broeders, G. Lohnert

12.30 - 13.50 **Lunch**

13.50 - 15.20 **ENEN Presentations Session 3**

Club Casino

Chair: Prof. Bruno Panella

DEVELOPMENT OF NUCLE DESIGN CRITERIA FOR NEUTRON
SPALLATION SOURCES

F. Sordo¹, A. Abánades¹

Plasma Wall Interaction Phenomena on Tungsten Armour Materials for
Fusion Applications

I. Uytendhouwen, V. Massaut, G. Van Oost

Uncertainty Evaluation of Reactivity Coefficients for a large advanced SFR
Core Design

Wassim Khamakhem, Gérald Rimpault¹

15.40 - 16.10 **Coffee Break**

16.10 - 17.40 **ENEN Presentations Session 4**

Club Casino

Chair: Prof. Petre Ghitescu

CFD Simulations of a Single-phase Mixing Experiment

*Davide Bertolotto (1, 2) Annalisa Manera Horst-Michael Prasser(1, 3)
Rakesh Chawla(1, 2)*

Physical Modelling of Axisymmetric Turbulent Impinging Jets as used
within the Nuclear Industry for Mobilisation of Sludges

D. McKendrick¹, S. R. Biggs¹, M. Fairweather¹ and D. Rhodes

Application of the Positron Annihilation Spectroscopy for Chromium Effect
Investigation in Binary Fe-Cr Alloys

*S. Sojak, V Kršjak, V. Slugeň, S. Stanček, M. Petriska, K. Vitázek, M.
Stacho*