ESF PESC Exploratory Workshop:
How to Constrain the High Density Symmetry Energy
Zagreb (Croatia), 15-18 October 2009

PROGRAMME

Thursday, 15 October 2009

Afternoon

19.00 Arrival
19.00 Dinner
21.00 Get-together at the hotel lobby

Friday, 16 October 2009

09.15-09.30 Welcome by Convenor with a Presentation of the European Science Foundation (ESF) Instruments
Z. Basrak (IRB, Zagreb, Croatia)

09.30-12.45 Morning Session I: Recent View on the HiDeSymEne (I)
(Chairman: B. Jakobsson)
09.30-10.15 “Symmetry Energy in Nuclear Ground State”
P. Danielewicz (MSU/NSCL, East Lansing, USA)
10.15-10.45 “Isotopic Flows in Au+Au at 400 A MeV”
W. Trautmann (GSI, Darmstadt, Germany)
10.45-11.15 Coffee / Tea Break

Morning Session II: Recent View on the HiDeSymEne (II)
(Chairman: J. Aichelin)

11.15-12.00 “Current Theoretical View on the High Density Symmetry Energy Problem”
B.-A. Li (TA&M, Commerce, USA)
12.00-12.45 “Constraints on the Asymmetry Energy Term of Nuclear Equation-of-State from Astrophysical Observations”
D.B. Blaschke (ITP, Wroclaw, Poland)
12.45-14.30 Lunch

14.30-18.30 Afternoon Session I: Recent View on the HiDeSymEne (III)
(Chairman: P. Danielewicz)
14.30-15.00 “What one has Learned on the Asymmetry Energy Term of Nuclear Equation-of-State in the FOPI Experiments”
Y. Leifels (GSI, Darmstadt, Germany)
15.00-15.30 “Isotopic Effects with INDRA@GSI”
J. Lukasik (IFJ-PAN, Krakow, Poland)
15.30-16.00 “High-Precision Momentum Measurements of Fragmentation Residues from $^{112}$Sn+$^{112}$Sn and $^{124}$Sn+$^{124}$Sn Collisions at 1 AGeV”
V. Foehr (GSI, Darmstadt, Germany)
16.00-16.30 Coffee / tea break
Afternoon Session II: Towards Better Constraints of the HiDeSymEne (I) (Chairman: B.-A. Li)

J. Aichelin (Subatech, Nantes, France)

17.00-17.30 “Isospin Effects on Particle Production, Flows and Phase Transitions at High Baryon Density”
M. Di Toro (INFN-LNS, Catania, Italy)

17.30-18.00 “Symmetry Energy Effects in Particle Production”
H.H. Wolter (Univ. of Munich, Munich, Germany)

18.00-18.30 “Status of the UrQMD Predictions”
P. Russotto (INFN-LNS, Catania, Italy)

18.30-19.00 “Dependence of Flow Observables in Heavy-Ion Collisions on the Isospin Dependent EoS of Nuclear Matter”
D.M. Cozma (NIPNE, Magurele/Bucharest, Romania)

19.30 Dinner

Saturday, 17 October 2009

08.00-16.30 Workshop Excursion with Lunch Included Providing an Ample Opportunities for Discussion

16.30-19.00 Afternoon Session: Towards Better Constraints of the HiDeSymEne (II) (Chairman: H.H. Wolter)

16.30-17.00 “What Interferometry May Bring to the Study of High Density Symmetry Energy”
B. Jakobsson (Lund Univ., Lund, Sweden)

17.00-17.20 “Study of the Symmetry Energy with Isotopic Distributions”
A. Chbihi (GANIL, Caen, France)

17.20-17.40 “Sideward Wall Detector for the ASY-EOS Experiment”
P. Pawlowski (IFJ-PAN, Krakow, Poland)

17.40-18.00 “The Nuclear Equation of State and the Symmetry Energy”
P.Z. Wu (OLL, Liverpool, United Kingdom)

18.00-19.00 Discussion

19.30 Dinner

Sunday, 18 October 2009

09.00-12.30 Morning Session I: Recent View on the HiDeSymEne (IV) (Chairman: M. Di Toro)

09.00-09.30 “136,124Xe+124,112Sn INDRA Experiment and SMF Results”
R. Bougault (LPC, Caen, France)

09.30-10.00 “Density Dependence of the Symmetry Energy Close to Normal Density from Neutron Skin Thickness and Dipole Excitations”
N. Paar (Univ. of Zagreb, Zagreb, Croatia)

10.00-10.15 “Energy and Isospin Dependence of Elliptic Flow – An Alternative Analysis of the LAND-FOPI Data”
M. Zorić (IRB, Zagreb, Croatia)
10.15-10.45  Coffee / Tea Break

Morning Session II: Towards Better Constraints of the HiDeSymEne (III) (Chairmen: Y. Leifels and A. Pagano)

10.45-12.30  Round Table Discussion and Recommendations (Test experiment outcome, main beam time preparation, etc.)

12.30-14.00  Lunch

14.00-16.00  Afternoon Session: Futur of the HiDeSymEne: Discussion on Follow-up Activities/Networking/Collaboration (Chairmen: Z. Basrak, D. Blaschke and W. Trautmann)

16.00  End of Workshop and departure