

NuSYM14 - 4th International Symposium on the Nuclear Symmetry Energy

Report of Contributions

Contribution ID: 0

Type: **not specified**

E. De Filippo (INFN Catania) - Probing the low density nuclear symmetry energy with heavy ion collisions

Monday, July 7, 2014 9:00 AM (25 minutes)

Contribution ID: 1

Type: **not specified**

Z. Chajecki (MSU) - Scaling properties of light-cluster production

Monday, July 7, 2014 9:25 AM (25 minutes)

Contribution ID: 2

Type: **not specified**

A. Chbihi (GANIL) - Exploring the symmetry energy in $^{40,48}\text{Ca}+^{40,48}\text{Ca}$ systems at $E/A = 35$ MeV

Monday, July 7, 2014 9:50 AM (25 minutes)

Contribution ID: 3

Type: **not specified**

Z. Kohley (MSU) - Constraints on E_{sym}(ρ)-L from RIB induced reactions

Monday, July 7, 2014 10:15 AM (25 minutes)

Contribution ID: 4

Type: **not specified**

M. Baldo (INFN Catania) - Microscopic calculation of the nuclear symmetry energy

Monday, July 7, 2014 11:10 AM (30 minutes)

Contribution ID: 5

Type: **not specified**

P. Stevenson (University of Surrey) - The isoscalar giant quadrupole resonance as a probe of nuclear matter

Monday, July 7, 2014 11:40 AM (30 minutes)

Contribution ID: 6

Type: **not specified**

**H. Nakada (Chiba University) -
Interaction-dependence and independence in
low-energy E1 excitations of neutron-rich nuclei**

Monday, July 7, 2014 12:10 PM (20 minutes)

Contribution ID: 7

Type: **not specified**

V. De La Mota (Subatech Nantes) - Probing the occurrence of material structures at subnuclear densities with a dynamical self-consistent description

Monday, July 7, 2014 12:30 PM (20 minutes)

Contribution ID: 8

Type: **not specified**

**W. Del Pozzo (University of Birmingham) -
Constraining the equation of state of neutron stars
with ground based gravitational waves observations**

Monday, July 7, 2014 1:40 PM (30 minutes)

Contribution ID: 9

Type: **not specified**

**T. Sumner (Imperial College London) - Astrophysics
from milli-hertz gravitational wave observations by
the ESA L3 mission**

Monday, July 7, 2014 2:10 PM (30 minutes)

Contribution ID: 10

Type: **not specified**

A. Steiner (University of Washington) - What the symmetry energy has to say about neutron star radii and the neutron star crust

Monday, July 7, 2014 2:40 PM (30 minutes)

Contribution ID: 11

Type: **not specified**

**W. Newton (Texas A&M) - Symmetry energy
constraints from observational signatures of the
neutron star crust-core transition**

Monday, July 7, 2014 3:10 PM (30 minutes)

Contribution ID: 12

Type: **not specified**

W. Ho (University of Southampton) - Detailed tests of nuclear properties with astronomical observations of neutron stars

Monday, July 7, 2014 4:10 PM (30 minutes)

Contribution ID: 13

Type: **not specified**

M. Freer (University of Birmingham) - Correlations and clusters in neutron-rich nuclear matter

Monday, July 7, 2014 4:40 PM (25 minutes)

Contribution ID: 14

Type: **not specified**

S. Typel (GSI) - Cluster correlations in dense matter and equation of state

Monday, July 7, 2014 5:05 PM (25 minutes)

Contribution ID: 15

Type: **not specified**

P. Egelhof (GSI) - Direct reactions with exotic beams at low momentum transfer: investigations with stored beams and with active targets

Monday, July 7, 2014 5:30 PM (25 minutes)

Contribution ID: 16

Type: **not specified**

Y.X. Zhang (CIAE Beijing) - Influence of symmetry energy and nucleon effective mass splitting on HIC observables

Tuesday, July 8, 2014 9:00 AM (25 minutes)

Contribution ID: 17

Type: **not specified**

A. Le Fevre (GSI) - Constraining the nuclear equation of state using the elliptic flow of light clusters

Tuesday, July 8, 2014 9:25 AM (20 minutes)

Contribution ID: 18

Type: **not specified**

J. Brzychczyk (Jagiellonian University) - Light charge particle flows in the ASY-EOS experiment measured with the KRATTA detector

Tuesday, July 8, 2014 9:45 AM (20 minutes)

Contribution ID: 19

Type: **not specified**

P. Napolitani (IPN Orsay) - Isoscalar and isovector fluctuations in one-body transport approaches for fermionic systems

Tuesday, July 8, 2014 10:05 AM (25 minutes)

Contribution ID: 20

Type: **not specified**

**L. Zana (University of Edinburgh) - The PREX II and
CREX experiments at Jefferson Laboratory:
measurements of neutron skins in ^{208}Pb and ^{48}Ca
with parity violation**

Tuesday, July 8, 2014 11:00 AM (30 minutes)

Contribution ID: 21

Type: **not specified**

E. Khan (IPN Orsay) - The determination of incompressibility in nuclei and nuclear matter

Tuesday, July 8, 2014 11:30 AM (25 minutes)

Contribution ID: 22

Type: **not specified**

M. Vandebrouck (GANIL) - First measurement of the isoscalar giant resonances in a neutron-rich exotic nucleus: ^{68}Ni with the active target MAYA

Tuesday, July 8, 2014 11:55 AM (20 minutes)

Contribution ID: 23

Type: **not specified**

M. Spieker (University of Cologne) - Studying the character of the Pygmy Dipole Resonance using hadronic probes

Tuesday, July 8, 2014 12:15 PM (20 minutes)

Contribution ID: 24

Type: **not specified**

T. Hashimoto (Institute for Basic Science) - Complete measurement of Electric Dipole Response of ^{120}Sn

Tuesday, July 8, 2014 1:30 PM (30 minutes)

Contribution ID: 25

Type: **not specified**

E. Piasezky (Tel Aviv University) - Nucleon-nucleon short range correlation in nuclei

Tuesday, July 8, 2014 2:00 PM (30 minutes)

Contribution ID: 26

Type: **not specified**

A. Rios Huguet (University of Surrey) - High-momentum components in the nuclear symmetry energy

Tuesday, July 8, 2014 2:30 PM (30 minutes)

Contribution ID: 27

Type: **not specified**

M. Bashkanov (Tuebingen University) - Dibaryons in vacuum and in nuclear matter

Tuesday, July 8, 2014 3:00 PM (30 minutes)

Contribution ID: 28

Type: **not specified**

C. Providencia (University of Coimbra) - Interplay between the symmetry energy and the strangeness content of neutron stars

Tuesday, July 8, 2014 4:00 PM (30 minutes)

Contribution ID: 29

Type: **not specified**

B.A. Li (Texas A&M) - Effects of short-range correlation on symmetry energy and their manifestation in heavy-ion reactions

Tuesday, July 8, 2014 4:30 PM (25 minutes)

Contribution ID: 30

Type: **not specified**

T. Galatyuk (GSI) - HADES overview: from cold matter to low energy heavy-ion collisions

Tuesday, July 8, 2014 4:55 PM (30 minutes)

Contribution ID: 31

Type: **not specified**

**P. Russotto (INFN Catania) - The ASY-EOS
experiment at GSI: investigating symmetry energy at
supra-saturation densities**

Tuesday, July 8, 2014 5:25 PM (25 minutes)

Contribution ID: 32

Type: **not specified**

T. Isobe (RIKEN) - The $S\pi$ RIT project for the study of density dependent symmetry energy of highly dense matter with Heavy RI collisions at RIBF

Tuesday, July 8, 2014 5:50 PM (25 minutes)

Contribution ID: 33

Type: **not specified**

W. Powell (University of Liverpool and RIKEN) - Current status of S π RIT TPC electronics testing at RIBF

Tuesday, July 8, 2014 6:15 PM (15 minutes)

Contribution ID: 34

Type: **not specified**

D. Cozma (NIPNE Bucharest) - The π^-/π^+ multiplicity ratio in heavy-ion collisions and the conservation of energy

Wednesday, July 9, 2014 9:00 AM (30 minutes)

Contribution ID: 35

Type: **not specified**

F.S. Zhang (Beijing Normal University) - Studying the density and momentum dependent symmetry energy: a Boltzmann-Langevin approach

Wednesday, July 9, 2014 9:30 AM (20 minutes)

Contribution ID: 36

Type: **not specified**

C. Rizzo (INFN Catania) - Isospin effects in low-energy heavy ion collisions

Wednesday, July 9, 2014 9:50 AM (20 minutes)

Contribution ID: 37

Type: **not specified**

B. Carlson (ITA Sao Jose dos Campos) - The geometry of a hot compound nucleus

Wednesday, July 9, 2014 10:10 AM (20 minutes)

Contribution ID: 38

Type: **not specified**

I. Vidana (University of Coimbra) (EPJ A sponsored lecture) - Nucleon resonances in isobaric charge-exchange reactions

Wednesday, July 9, 2014 11:00 AM (30 minutes)

Contribution ID: 39

Type: **not specified**

F. Aymard (LPC Caen) - Sub-saturation matter in compact stars: nuclear modelling in the framework of the extended Thomas-Fermi theory

Wednesday, July 9, 2014 11:30 AM (20 minutes)

Contribution ID: 40

Type: **not specified**

R. Sellahewa (University of Surrey) - Isovector properties of the Gogny interaction in the context of neutron stars

Wednesday, July 9, 2014 11:50 AM (20 minutes)

Contribution ID: 41

Type: **not specified**

K. Jeong (Yonsei University) - Nuclear symmetry energy in QCD degree of freedom

Wednesday, July 9, 2014 12:10 PM (20 minutes)

Contribution ID: 42

Type: **not specified**

E. Brown (MSU) - A way forward in the study of the symmetry energy: Astronomy

Wednesday, July 9, 2014 1:30 PM (30 minutes)

Contribution ID: 43

Type: **not specified**

T. Murakami (Kyoto University) - Japanese new approach to neutron-star matter

Wednesday, July 9, 2014 2:00 PM (15 minutes)

Contribution ID: 44

Type: **not specified**

B. Hong (Korea University) - Prospects of the nuclear symmetry energy research in Korea

Wednesday, July 9, 2014 2:15 PM (15 minutes)

Contribution ID: 45

Type: **not specified**

Xiao (Tsinghua University) - Some recent status and plans for symmetry energy related studies in China

Wednesday, July 9, 2014 2:30 PM (15 minutes)

Contribution ID: 46

Type: **not specified**

Y. Leifels (GSI) - Symmetry energy at high energies: Perspectives at GSI/FAIR

Wednesday, July 9, 2014 2:45 PM (20 minutes)

Contribution ID: 47

Type: **not specified**

**G. Verde (INFN Catania) (EPJ A sponsored lecture) -
Perspectives on dynamics studies at intermediate
and low energies in Europe**

Wednesday, July 9, 2014 3:05 PM (20 minutes)

Contribution ID: 48

Type: **not specified**

W. Lynch (MSU) - Constraining the symmetry energy: Future directions (mainly US efforts)

Wednesday, July 9, 2014 4:00 PM (30 minutes)

Contribution ID: 49

Type: **not specified**

H. Wolter (University of Munich) - Study of the nuclear symmetry energy: future theoretical directions

Wednesday, July 9, 2014 4:30 PM (30 minutes)