

NN2012 List of Plenary Talks

Keynote Talk: Robert Tribble (Texas A&M University)

Heavy and Superheavy Elements

Valery Zagrebaev (FLNR Dubna), SHE theory

Koji Morimoto (RIKEN), Decay properties of SHE

Michael Bender (CENBG, Bordeaux), Structure of superheavy nuclei

Robert Eichler (Paul Scherer Institute), Chemistry at the shore of The Island of SHE

QCD and Hadron Physics

Zoltan Fodor (Wuppertal U. & Eotvos U), QCD, hadrons & equation of state from the lattice

Miklos Gyulassy (Columbia U.), Jet Tomography versus Jet Holography of the QGP produced at RHIC and LHC

Pengfei Zhuang (Tsinghua University, Beijing), Quarkonium Production in Hot Quark Matter

Piotr Salabura (Jagiellonian University, Krakow), HADES experiments investigating in-medium hadron properties

Relativistic Heavy-Ion Collisions

Peter Braun-Munzinger (GSI), Quarkonium production, statistical hadronization, and the QCD phase boundary

Gunther Roland (MIT), An overview of CMS+ATLAS experiments at LHC

Carl Gagliardi (Texas A&M University), An overview of RHIC experiments

Ulrich Heinz (The Ohio State U), How perfect is "perfect"? The Quark-Gluon Plasma at RHIC and LHC

Nuclear Structure

Andres Gadea (U. of Valencia), First Results with the early implementation of AGATA

Roderick M. Clark (LBNL), The Structure of the Heaviest Elements

Takaharu Otsuka (U. of Tokyo), Shell evolution with tensor and three-body forces

Rafal Broda (Jagiellonian University, Krakow), Nuclear structure south-east of ^{48}Ca and upwards in spin in the ^{208}Pb region

Nuclear Energy and Applications of Nuclear Science and Technologies

Jolie Cizewski (Rutgers), Nuclear Stewardship Science

Alex C. Mueller (CNRS, France), Prospects for Transmutation of Nuclear Waste and the MYRRHA-demonstrator

Johan A. Frenje (MIT), Nuclear Science using High Energy Density Plasmas - A new field of research

Maria Martisikova (German Cancer Research Center, Heidelberg), New measurement techniques for ion beam therapy purposes

Fusion and Fission

Mahananda Dasgupta (Australian National U.), Dynamics and time-scales in breakup and fusion

Alberto Stefanini (INFN-LNL, Italy), Fusion of calcium isotopes and of other medium-mass systems

Cedric Simenel (CEA Saclay), TDHF calculations of fusion and quasi-fission

Fanny Farget (Ganil) Isotopic fission fragment distributions as a deep probe to fusion-fission dynamics

Equation of State of Neutron-Rich Nuclear Matter, Clusters in Nuclei and Nuclear Reactions

Betty Tsang (MSU), Overview of the density dependence of the Nuclear Symmetry Energy
Stefan Typel (GSI/TU-Munich), Cluster in nuclear matter and the Equation of State
Francesca Gulminelli (LPC-Caen) EOS of neutron-rich nuclear matter and its impact on astrophysics
Naoyuki Itagaki (Kyoto University), Exotic cluster structure in light nuclei

Reactions and Structure- Unstable Nuclei

Lee G. Sobotka (U. of Washington, St. Louis), Continuum spectroscopy of light nuclei studied by high-order correlation experiments
Alan Wuosmaa (Western Michigan U.), Recent experimental results from HELIOS
Tom Aumann (GSI), Quasi-free knockout reactions with high-energy radioactive beams
Gaute Hagen (ORNL), Structure and reactions at the dripline with coupled-cluster theory

Nuclear Astrophysics

Michael Wiescher (Notre Dame), Experimental overview
Thomas Rauscher (U. of Basel), Explosive nucleosynthesis and its connection to astrophysical reaction rates for unstable nuclei
Claudio Spitaleri (U. of Catania), Trojan horse technique to measure nuclear astrophysical rearrangement reactions
Alain Coc (Orsay), Big-Bang Nucleosynthesis

New Facilities and Detectors

Brad Sherrill (MSU), FRIB at MSU
Marek Lewitowicz (Ganil), SPIRAL2
Guenther Rosner (FAIR at Darmstadt and U. of Glasgow), The Facility for Antiproton and Ion Research, FAIR, in Europe
Tohru Motobayashi (RIKEN), RIBF
Guy Savard (Argonne), CARIBU: a new facility for the study of neutron-rich isotopes