



Monday, 01.10.2012

09:30

O P E N I N G

09:30-09:40

V. Mikhlushevskiy

09:40-10:00

S. Ivanets

10:00-10:20

EASTERN FEDERAL UNIVERSITY SCIENTIFIC FUTURE

V.Sergienko

10:25-10:55

JINR SCIENTIFIC PROGRAM, NEAREST FUTURE

V. Matveev

11:00 -11:30

Coffee Break

Session 1

11:30 -12:00

DECONSTRUCTING THE NUCLEUS, ONE (OR TWO) NUCLEONS AT A TIME

D. Bazin

12:05 -12:35

CURRENT AND FUTURE EXOTIC NUCLEI RESEARCH AT ACCULINNA/ACCULINNA-2 FACILITIES

L.V. Grigorenko

12:40 -13:10

CHARGE EXCHANGE REACTIONS OF RI-BEAMS

S. Shimoura

13:15 -13:35

STUDY OF $^{8,9,10}\text{He}$ STRUCTURE IN THE EXPERIMENTS WITH A TRITIUM TARGET

S.I. Sidorchuk

13:40-14:00

PRODUCTION OF NEUTRON-RICH ISOTOPES IN THE CALCIUM REGION

O.B. Tarasov

14:05 -16:00

Lunch

Session 2

16:00 -16:30 **SHAPE COEXISTENCE AT N=20 AND N=28 THROUGH
THE STUDY OF 0^+_2 STATES IN ^{34}Si AND ^{44}S**
S. Grévy

16:35 -17:05 **DILUTE EXCITED STATES IN LIGHT NUCLEI**
A.A. Ogloblin

17:10 -17:30 **NEW STRUCTURES IN THE CONTINUUM OF ^{15}C
POPULATED BY TWO-NEUTRON TRANSFER**
F. Cappuzzello

17:35 -17:55 **CLUSTER STRUCTURE OF LIGHT RADIOACTIVE
NUCLEI IN PROCESSES OF RELATIVISTIC
FRAGMENTATION**
A. I. Malakhov

18:00 -18:30

Coffee Break

18:30 -18:50 **DYNAMICAL DIPOLE MODE IN FUSION HEAVY-ION
REACTIONS BY USING STABLE AND RADIOACTIVE
BEAMS**
C. Parascandolo

18:55 -19:15 **ISOVECTOR SOFT DIPOLE MODE IN ^6Be**
V. Chudoba

19:20 -19:40 **IS THE $7/2_1$ ISOMER STATE OF ^{43m}S SPHERICAL?**
R. Chevrier

19:45 -20:05 **INDIRECT METHODS IN NUCLEAR ASTROPHYSICS IN
NPI ASCR REZ, CZECH REPUBLIC**
J. Mrazek

20:10

Welcome party

Tuesday, 02.10.2012

Session 3

- 09:00 -09:30 HOW TO CREATE ANTI-NUCLEI AND STRANGE NUCLEI**
W. Greiner
- 09:35 -10:05 BETA-DECAY SPECTROSCOPY IN THE ^{100}Sn REGION AND IMPLICATIONS ON X-RAY BURST MODELS**
G. Lorusso
- 10:10 -10:40 EVOLUTION OF NUCLEAR STRUCTURE IN NEUTRON-DEFICIENT Pb ISOTOPES**
J. Pakarinen
- 10:45 -11:15 NUCLEAR ASTROPHYSICS @ GANIL**
F. de Oliveira Santos
- 11:20 -11:45** *Coffee Break*
- 11:45 -12:15 SYNTHESIS OF SUPERHEAVY ELEMENTS BASED ON THE TDHF WITH BEYOND THE MEAN-FIELD TYPE PRESCRIPTIONS**
Yoritaka Iwata
- 12:20 -12:50 INVESTIGATION INTO THE EFFECTS OF DEFORMATION ON PROTON EMISSION RATES VIA LIFETIME MEASUREMENTS**
M. J. Taylor
- 12:55 -13:15 BRIDGING THE TWO-PROTON RADIOACTIVITY OF ^{19}Mg : SPECTROSCOPY OF THE UNBOUND NUCLEUS ^{18}Na**
M. Assié
- 13:20 -13:40 BETA-NEUTRINO CORRELATION MEASUREMENTS WITH RADIOACTIVE IONS IN TRAPS**
G. Ban

14:00 -16:00

Lunch

Session 4

- 16:00 -16:30** RECENT RESULTS FROM FRS EXPERIMENTS WITH EXOTIC NUCLEI PRODUCED WITH URANIUM PROJECTILES AND PERSPECTIVES WITH THE SUPER-FRS
H. Geissel
- 16:35 -17:05** PRODUCTION OF RARE ISOTOPE BEAMS USING BIGRIPS SEPARATOR AT RIKEN RI BEAM FACTORY: SEARCH FOR NEW ISOTOPES AND NEW ISOMERS
T. Kubo
- 17:10 -17:30** POPULATION OF STABLE HAFNIUM NUCLEI VIA FUSION OF HELIUM-6 FRAGMENTS IN THE BREAK-UP OF LITHIUM-7
S.M. Mullins
- 17:35 -17:55** STUDY OF EXOTIC NUCLEI THROUGH CONVERSION ELECTRON SPECTROSCOPY
M. Stanoiu

18:00 -18:30

Coffee Break

- 18:30 -18:50** SUPER ASYMMETRIC FISSION OF $^{260}\text{No}^*$ FORMED IN THE REACTION $^{12}\text{C}+^{242}\text{Sm}$
G.N. Knyazheva
- 18:55 -19:15** THE INVESTIGATION OF PROPERTIES OF SHORT-LIVED SF ISOTOPES ($Z > 100$) AT THE FOCAL PLANE OF VASSILISSA SEPARATOR
A. Svirikhin
- 19:20 -19:40** NUCLEAR RAINBOW IN THE $^{16}\text{O} + ^{27}\text{Al}$ SYSTEM: THE ROLE OF COUPLINGS AT ENERGIES FAR ABOVE THE BARRIER
M. Cavallaro

20:00

Dinner

21:00

Concert

Wednesday, 03.10.2012

Session 5

9:00-9:40 **PROSPECT OF RIKEN RI BEAM FACTORY FOR COMING 5 YEARS**
H. En'yo

9:50-10:30 **FACILITY FOR RARE ISOTOPE BEAMS – DESIGN STATUS**
Georg Bollen

10:40-11:20 **RESENT RESULTS AND PERSPECTIVES AT THE GANIL/SPIRAL2 FACILITY**
M. Lewitowicz

11:30 -11:55

Coffee Break

11:55-12:35 **FLNR JINR SCIENTIFIC PROGRAM**
Yu. Oganessian

12:45-13:25 **EXOTIC NUCLEI AND SUPERHEAVY ELEMENT RESEARCH ON ITS WAY FROM GSI TO FAIR**
C. Scheidenberger

13:35-14:05 **PROSPECTS FOR NEW GENERATION OF HIGH INTENSITY ION FACILITIES IN EUROPE**
S. Gales

14:15 -16:00

Lunch

16:00

BOAT TRIP

20:00

Banquet

Thursday, 04.10.2012

Session 6

09:00 -09:30 **NEW GEIGER-NUTTALL LAW FOR ALPHA DECAY OF HEAVY NUCLEI**
Yuejiao Ren and Zhongzhou Ren

09:35 -10:05 **PHYSICS AVENUES WITH THE SUPER SEPARATOR SPECTROMETER AT SPIRAL-2**
H. Savajols

10:10- 10:40 **EXOTIC NUCLEI STUDIES AT LLNL**
Mark A. Stoyer

10:45 -11:15

Coffee Break

11:15 -11:45 **SEARCH FOR NEW ELEMENTS AT THE GAS-FILLED SEPARATOR TASCA AT GSI**
J. Khuyagbaatar

11:50-12:20 **POLARIZATION EXPERIMENTS AT RI BEAM FACTORY**
T. Uesaka

12:25-12:55 **FUTURE OF NUCLEAR SCIENCE IN SOUTH AFRICA**
Z. Vilakazi

13:00 -13:30 **HIGH-PRECISION MEASUREMENTS OF GROUND STATE PROPERTIES OF THE HEAVIEST ELEMENTS**
Michael Block

13:35 -14:05 **ELI-NP: AN EUROPEAN FACILITY AT THE FRONTIER BETWEEN PW LASERS AND NUCLEAR PHYSICS**
Catalin Borcea

14:10 -16:00

Lunch

Session 7

16:00 -16:30

STATUS AND PERSPECTIVE OF CHEMICAL STUDIES OF HEAVIEST ELEMENTS

H.W. Gäggeler

16:35 -17:05

PROMPT SPECTROSCOPY OF VERY HEAVY ELEMENTS AT THE LIMITS

B. JP. Gall

17:10-17:40

THE STATUS OF NIKA SET-UP

G. Trubnikov

17:45-18:15

WILL FINLAND BECOME THE CENTER OF EUROPEAN NEUTRINO PHYSICS?

W. H. Trzaska

18:20-20:00

POSTER SESSION

20:00

Dinner

Friday, 05.10.2012

Session 8

09:00 -09:30 **WOBBLING MOTION AND INTERFERENCE OF CHIRAL
DOUBLET AND TRIAXIAL SOFTNESS IN NEUTRON RICH
RU AND PD NUCLEI**

J. H. Hamilton

09:35 -10:05 **PARIS CALORIMETER PROJECT: PHYSICS CASE AND
STATUS**

Adam Maj

10:10 -10:30 **SCRIT ELECTRON SCATTERING FACILITY AT RIKEN**

S. Wang

10:35 -10:55 **HIGH INTENSITY RADIOACTIVE BEAM COOLING FOR
SPIRAL II/DESIR**

G. Ban

11:00 -11:30

Coffee Break

11:30 -12:00 **The CW-LINAC-PROJECT AT GSI**

S. Mickat

12:05 -12:35 **PRESPEC – GAMMA-SPECTROSCOPY ON THE WAY
TOWARDS NUSTAR**

Hans-Jürgen Wollersheim

12:40 -13:10 **THE ALTO FACILITY FOR THE PRODUCTION OF
RARE NUCLEI**

D. Verney

13:15 -13:35 **HIGH-PRECISION PENNING TRAP MASS SPECTROMETRY
FOR NEUTRINO PHYSICS**

S. Eliseev

13:40 -14:00 **YIELD OF BREMSSTRAHLUNG INDUCED REACTIONS AS A
PROBE OF NUCLEON-NUCLEON CORRELATIONS IN HEAVY
NUCLEI**

S. A. Karamian

14:05 -16:00

Lunch

Session 9

- 16:00-16:20** **OCTUPOLE EXCITATIONS AND TETRAHEDRAL SHAPES IN THE MASS 160 AND 230 REGIONS**
R. A. Bark
- 16:25-16:55** **DECAY SPECTROSCOPY PROJECT AT THE RIBF**
Shunji Nishimura
- 17:00-17:20** **⁹⁷Rb – THE CORNER STONE OF THE REGION OF SUDDEN ONSET OF DEFORMATION AROUND N=60**
G. Georgiev
- 17:25-17:55** **DESIGN AND DEVELOPMENT OF A TROCHOIDAL MASS ANALYZER FOR THE BERKELEY GAS-FILLED SEPARATOR**
J.M. Gates

18:00-18:30

Coffee Break

- 18:30-19:00** **MASS-SPECTROMETRIC METHOD FOR STUDYING THE PROPERTIES OF HEAVY NUCLEI**
A. Rodin
- 19:05-19:25** **PRODUCTION OF EXTREMELY NEUTRON-RICH FRAGMENTS BY REACTIONS AT ENERGIES ABOVE 35 MEV/A**
S.M. Lukyanov
- 19:30-19:55** **COLLINEAR CLUSTER TRI-PARTITION: FIRST STEPS IN PHYSICAL TREATING**
Yu.V. Pyatkov

20:00

DINNER

AND

CONCERT

Saturday, 06.10.2012

Session 10

09:00-09:20 INTERACTIONS IN A SEPARABLE APPROXIMATION
V. Voronov

**09:25-09:45 APPROXIMATE EVALUATION OF CLUSTER MODEL
PARAMETERS OF THE HEAVIEST ELEMENTS
NUCLEOSYNTHESIS**
G. N. Goncharov

**09:50-10:10 THE PENINSULAS OF NEUTRON STABILITY OF NUCLEI
ON NUCLEAR CHART**
K.A.Gridnev

10:15-10:45 NUCLEAR STRUCTURE FAR FROM STABILITY
R.V. Jolos

10:50-11:10 *Coffee Break*

**11:10-11:30 THE MICROSCOPIC APPROACH AS A CLUE TO
UNDERSTANDING OF THE ALPHA DECAY**
F.F.Karpeshin

**11:35-11:55 PROBING THE COLD DENSE BARYONIC MATTER
AT ENERGY ~ 100 AMeV**
S.S. Shimanskiy

**12:00-12:20 MICROSCOPIC ANALYSIS OF NUCLEON TRANSFER
PROCESSES IN LOW-ENERGY NUCLEAR REACTIONS WITH
NEUTRON - ENRICHED NUCLEI ${}^6\text{He}$, ${}^{18}\text{O}$, ${}^{48}\text{Ca}$**
V. Samarin

**12:25-12:45 MODERNIZATION OF VASSILISSA SEPARATOR FOR
HEAVY ELEMENT SPECTROSCOPY INVESTIGATIONS**
A. Isaev

**12:45-13:05 IGISOL-BASED SETUP FOR PRODUCTION AND
INVESTIGATION OF NEUTRON RICH HEAVY NUCLEI**
S. Zemlyanoi

13:10 *Lunch*

16:00-20:00 *EXCURSION*

20:00 *Dinner*