Monday, September 1

14:00  Departure of the conference bus from Kraków, Plac Matejki
14:30  Departure from the Institute of Nuclear Physics
15:00  Departure from Kraków Airport

18:00  Supper

19:00  Opening of the Conference
19:15  Igal Talmi (Weizmann Institute, Israel)
       *The simple shell model versus ab initio calculations*

20:00  Welcome reception
Tuesday, September 2

8:00  Breakfast

8:45  Witek Nazarewicz (University of Tennessee)
      Computing atomic nuclei

9:30  Aldo Covello (INFN and University of Napoli)
      Proton-neutron multiplets in 132Sn and 208Pb regions

10:00 Marek Płoszajczak (GANIL)
     Continuum shell model description of weakly bound and unbound nuclear systems

10:30 Coffee break

11:00 Serge Franchoo (IPN Orsay)
     Evolving shell structure far from stability: recent results from GANIL

11:30 Andrea Jungclaus (University of Madrid)
      Isomer spectroscopy and shell structure around doubly-magic 132Sn

12:00 Lorenzo Corradi (INFN Legnaro)
     Heavy ion transfer reactions studied with Prisma+Clara

12:30 Enrico Farnea (INFN and University of Padova)
     Spectroscopy of neutron-rich nuclei with the CLARA-PRISMA setup

(10:00-13:00 Excursion for accompanying persons)

13:00 Lunch

(14:00-18:00 Excursion)

18:00 Supper

18:45 Herve Molique (IPHC Strasbourg)
      A new mean-field approach for exotic nuclei

19:00 Heather Crawford (Michigan State University)
      Beta decay studies of neutron-rich nuclei near 52Ca

19:15 Daniele Mengoni (INFN and University of Padova)
      Lifetime measurements for neutron-rich nuclei around 48Ca populated in grazing reaction

19:30 Paolo Mason (INFN and University of Padova)
      Studying peripheral collisions through trajectory reconstruction with the heavy-ion magnetic spectrometer PRISMA

19:45 Alberto Andrighetto (INFN Legnaro)
      Status of the SPES production target

20:00 Barbecue
Wednesday, September 3

8:00  Breakfast

8:45  Rick Casten (Yale University)
Proton-neutron interaction and the growth of collectivity in nuclei

9:30  Victor Zamfir (NIPNE Bucharest)
Energy ratio correlations for collective nuclear bands

10:00  Mark Riley (Florida State University)
Strongly deformed nuclear shapes at ultra-high spins and shape co-existence in N ~ 90 nuclei

10:30  Coffee break

11:00  Angela Bracco (INFN and University of Milan)
Search for gamma decay of Pygmy Dipole Resonance in exotic nuclei

11:30  Indranil Mazumdar (Tata Institute, Mumbai)
Search for rare shape-phase transitions and GQR decay in hot rotating nuclei

12:00  Andrzej Budzanowski (IFJ PAN Kraków)
Phase transitions in highly excited nuclear matter

12:30  Silvia Leoni (INFN and University of Milan)
Warm nuclei: nuclear structure effects on the order-to-chaos transition region

13:00  Lunch

(14:00-18:00 Excursion)

18:00  Supper

18:45  Adam Maj (IFJ PAN Kraków)
PARIS: a novel calorimeter for medium resolution spectroscopy of low- and high-energy gamma rays

19:15  Jean-Pierre Wieleczko (GANIL)
N/Z influence on disintegration modes of compound nuclei

19:30  Anna Corsi (INFN and University of Milan)
Dynamical dipole as a probe of isospin effects

19:45  Daniele Montanari (INFN and University of Milan)
Search for off-yrast states in neutron-rich Ca nuclei with DIC

20:00  Coffee break

20:15  Adam Klimkiewicz (Jagiellonian University)
Collective dipole excitations in neutron-rich nuclei from 132Sn mass region, the nuclear symmetry energy and neutron skins

20:30  Hilde-Therese Nyhus (University of Oslo)
Level densities, thermodynamics and gamma-ray strength functions in 163,164Dy

20:45  Kosuke Nomura (University of Tokyo)
New formulation of Interacting Boson Model and heavy exotic nuclei

21:00  Alessandro Pastore (INFN and University of Milan)
Spatial dependence of pairing field induced by the exchange of collective vibrations

21:15  Break

21:30  PARIS Collaboration meeting – open for all interested participants
Convenor Adam Maj (IFJ PAN Kraków)
Thursday, September 4

8:00  Breakfast

8:45  Robert Wadsworth (University of York)
     *The northwest frontier: Spectroscopy of proton rich nuclei below mass 100*

9:30  Darek Seweryniak (Argonne National Laboratory)
     *New results near 100Sn: observation of single-neutron states in 101Sn*

10:00 Iain Darby (University of Tennessee)
      *Decay studies of 109Xe to 105Te to 101Sn* *

10:30 Coffee break

11:00 William Walters (University of Maryland)
      *Structure and decay of neutron-rich nuclei and implications for nuclear structure and astrophysical calculations*

11:30 Carl Gross (Oak Ridge)
      *Decay spectroscopy of 76-79Cu and 83-85Ga*

12:00 Yixiao Luo (Vanderbilt University)
      *New band structures in neutron-rich Mo and Ru isotopes*

12:30 Dimiter Balabanski (Bulgarian Academy of Sciences, Sofia)
      *Electromagnetic properties of isomeric states studied at GSI*

13:00 Lunch

*(14:00-18:00 Excursion for accompanying persons)*
Thursday, September 4, cont’d

14:30  Henryk Mach (Uppsala University)
      _Structure of heavy Fe nuclei at the point of transition at N ~ 37_
14:45  Tomasz Pawlat (IFJ PAN Kraków)
      _Experimental study of neutron-rich nuclei 89Rb and 91Rb_
15:00  Kamila Sieja (GSI Darmstadt)
      _Recent shell model investigations in medium mass nuclei from Ni56 to Sn132_
15:15  Mouna Bouhelal (IPHC Strasbourg)
      _Negative parity intruder states in sd shell nuclei: a complete 1 h-bar omega shell model description_
15:30  Hamidreza Moshfegh (University of Teheran)
      _LOCV calculations and Neutron Star properties_
15:45  Coffee break
16:00  Norbert Braun (University of Cologne)
      _Study of collectivity in 88Zr using the HORUS spectrometer_
16:15  Alexander Pasternak (Ioffe Institute, St. Petersburg)
      _Shears effect with PAC core rotation for dipole bands in 142Gd and 130,132La_
16:30  Paulus Lukisi Masiteng (iThemba Labs, South Africa)
      _Possible chiral bands in the doubly odd 194Tl nucleus_
16:45  Paolo Finelli (INFN and University of Bologna)
      _Applications of in-medium chiral dynamics to nuclear structure_
17:00  Dorota Stefan (IFJ PAN Kraków)
      _Nuclear effects in proton decay_

18:00  Supper

19:00  Peter Butler (University of Liverpool)
      _Introduction to the Poster Session_
19:15  Poster Session – see list of presented posters on page 9 and 10
Friday, September 5

8:00 Breakfast

8:45 Brian Fulton (University of York)
  Study of nuclear reactions of astrophysical interests

9:30 John Hardy (Texas A&M University)
  Superallowed beta decay: the role of nuclear structure in Standard-Model tests

10:00 Michael Paul (Hebrew University, Jerusalem)
  Counting rare atoms for nuclear astrophysics

10:30 Coffee break

11:00 Yuri Oganessian (JINR Dubna)
  Synthesis of the heaviest nuclei

11:30 Matti Leino (University of Jyväskylä)
  Spectroscopy of Z ≈ 100 nuclei at Jyväskylä

12:00 Krzysztof Pomorski (UMCS Lublin)
  Fission barrier heights in medium heavy and heavy nuclei

12:30 Jerzy Dudek (IPHC Strasbourg)
  Theory of nuclear stability based on point group symmetries

13:00 Lunch

(14:00-18:00 Excursion)

18:00 Supper

18:45 Quang Tuyen Doan (IPN Lyon)
  Search for fingerprints of Tetrahedral symmetry in 156Gd

19:00 Katarzyna Mazurek (IFJ PAN Kraków)
  New nuclear stability islands as new challenges for the RIB

19:15 Milan Matos (Louisiana State University)
  Time-of-flight mass measurements and their importance for nuclear astrophysics

19:30 Gurgen Adamian (JINR Dubna)
  Possibility of production of new superheavy nuclei in complete fusion reactions

19:45 Anna Sochocka (Jagiellonian University)
  Quest for toroidal hyperheavy nuclei

20:00 Coffee break

20:15 Andrzej Wieloch (Jagiellonian University)
  New experimental approach for superheavy elements (SHE) production

20:30 Zbigniew Sosin (Jagiellonian University)
  Gas-Scintillation chamber for superheavy elements (SHE) detection at GANIL

20:45 Andrzej Staszczyk (UMCS Lublin)
  Toroidal SHE in Skyrme-Hartree-Fock approach

21:00 Nikolai Antonenko (JINR Dubna)
  Isotopic dependence of isomeric states in heavy nuclei

21:15 Stanislav Antalic (Comenius University, Bratislava)
  Study of K-isomers in odd-mass nuclei at SHIP
Saturday, September 6

8:00 Breakfast

8:45 Jürgen Gerl (GSI Darmstadt)
Nuclear spectroscopy studies at GSI - from RISING to HISPEC/DESPEC

9:15 Paul Mantica (Michigan State University)
Static nuclear moments and the structure of exotic nuclei studied at NSCL

9:45 Krzysztof Starosta (Michigan State University)
Lifetime measurements of excited states in exotic nuclei produced in reactions at intermediate energies

10:15 Coffee break

10:45 Masayasu Ishihara (RIKEN)
In-beam gamma-ray spectroscopy on extremely neutron rich nuclei with radioactive ions

11:15 Marek Lewitowicz (GANIL)
The SPIRAL2 project: Physics and challenges

11:45 Marco Cinausero (INFN Legnaro)
The SPES project at LNL: a revised design for an ISOL facility for nuclear physics

12:15 Jerzy Jastrzębski (Heavy Ion Laboratory, Warsaw University)
Nuclear Physics at the Warsaw Cyclotron

12:45 Agnieszka Trzcińska (Heavy Ion Laboratory, Warsaw University)
Are the weak reaction channels really weak?

13:00 Lunch
Saturday, September 6, cont’d

14:30  Pawel Olko (IFJ PAN Kraków)
      The project of the National Centre of Hadron Radiotherapy in Poland - scientific aspects
15:00  Piotr Bednarczyk (IFJ PAN Kraków)
      Electromagnetic and hadronic forces in nuclear peripheral collisions at intermediate energies studied via gamma-ray angular distribution at RISING
15:15  Carme Rodriguez Tajes (University of Santiago di Compostela)
      Neutron knockout at relativistic energies across the psd shell
15:30  David Perez Loureiro (University of Santiago di Compostela)
      Production of medium-mass neutron-rich nuclei from fragmentation of Sn isotopes
15:45  Ana Isabel Morales (University of Santiago di Compostela)
      Nuclear structure study of heavy neutron-rich nuclei close to the N=126 closed shell with the RISING spectrometer
16:00  Nawras Al-Dahan (University of Surrey)
      Structure of N>=126 nuclei produced in fragmentation of 238U
16:15  Nasser Alkhomashi (University of Surrey)
      Beta decay studies of the neutron-rich 188,190,192Ta isotopes
16:30  Coffee break
16:45  Szymon Myalski (IFJ PAN Kraków)
      Isomeric ratios for nuclei with Z=62-67 and A=142-152 produced in the relativistic fragmentation of 208Pb
17:00  Gregory Farrelly (University of Surrey)
      Isomerism and Shape Coexistence in 190W_116
17:15  Ana Denis Bacelar (University of Brighton)
      Reaction mechanism studies of high-spin states produced in projectile fragmentation
17:30  Vratislav Chudoba (JINR Dubna)
      Low-energy spectra of 8He and 10He studied in the (t,p) type reactions
17:45  Stanislaw Kliczewski (IFJ PAN Kraków)
      Study of light exotic and stable nuclei with heavy ion reactions
18:00  Konrad Czerski (University of Szczecin)
      Dynamic electron screening in nuclear reactions and radioactive decays
18:15  Break
18:30  Rafał Broda (IFJ PAN Kraków)
      Zakopane Conferences - half a century of Nuclear Physics
19:00  Closing of the Conference
20:00  Conference Dinner
Sunday, September 7

8:00  Breakfast

9:00 and 10:00  Departure of the conference buses to Kraków

List of posters:

Ridvan Baldik (Zonguldak Karaelmas University, Turkey)
Investigation of Sn isotopes with self-consistent mean field method

Dan Bardayan (Oak Ridge)
Direct measurements of (p, gamma) cross sections at astrophysical energies using radioactive beams and the Daresbury Recoil Separator

Michał Ciemała (IFJ PAN Kraków)
Measurements of high-energy gamma rays with LaBr3:Ce detectors

Izabela Ciepał (Jagiellonian University)
Investigation of the deuteron breakup on protons in the forward angular region
Filiz Ertugral (Sakarya University, Turkey)
*Low-lying dipole response of the even-even 152-160Gd nuclei*

Alexander Glushkov (Odessa University)
*Relativistic calculation of the beta decay probabilities in optimized model of the Dirac-Fock atom and chemical environment effect*

Katarzyna Hadynska (Heavy Ion Laboratory, Warsaw University)
*Coulomb Excitation of 100Mo - recent results from Heavy Ion Laboratory, University of Warsaw*

Olga Khetselius (Odessa University)
*Generalized multiconfiguration model of decay of the multipole Giant Resonances applied to analysis of reaction (µ- - N) on 40Ca*

Ali Ihsan Kilic (University of Szczecin)
*Enhanced electron screening in alpha and beta decays*

Alexander Kulko (JINR Dubna)
*Deep sub-barrier fusion and transfer reactions with 6He and 6Li beams*

Sanjeev Kumar (Thapar University, India)
*Isospin effects on the system size dependence of elliptical flow at intermediate energies*

Evgenia Lieder (iThemba Labs, South Africa)
*Lifetime Studies for quadrupole bands in 134Nd with AFRODITE using DSAM*

Magdalena Matejska-Minda (IFJ PAN Kraków)
*Yrast structure of 97Zr and beta-decay of high spin isomer in 97Y*

Brian Moazen (University of Tennessee)
*Measurement of the 330 keV resonance in 18F(p,α)15O*\(^+\)*

Julien Piot (IPHC Strasbourg)
*Digital signal processing, a major step forward for nuclear gamma spectroscopy*

Bożena Pomorska (UMCS Lublin)
*Simple tool to search quasi-magic structures in deformed nuclei*

Naeem Ul Hasan Syed (University of Oslo)
*Statistical properties near closed shells*

Adam Szmagliński (Kraków University of Technology)
*Proton localization and magnetic field evolution in dense neutron star matter*

Natalia Targosz-Śleczka (University of Szczecin)
*Investigation of the electron screening effect in deuteron fusion reactions under UHV conditions*

Hakan Yakut (Sakarya University, Turkey)
*Calculation of the gK-factors of the odd-mass deformed nuclei*

Zemine Yıldırım
*The beta-decay properties of scissors mode 1+ states in 164,166Er*