



Programme

Tuesday 10th April

9:00-13:00 Overview of research programmes in China and France

Chairperson: Patricia Roussel-Chomaz

Welcome address: GANIL and Spiral2, present status and prospects

Navin Alahari (GANIL, Caen)

Prospect of nuclear research centre in Huizhou China

Wenlong Zhan (CAS, Beijing)

Introduction to the China institute of atomic energy

Yanlin Ye (PKU, Beijing)

Nuclear physics activity at SINAP

Yugang Ma (SINAP-CAS, Shanghai)

Coffee break: 15 minutes

Chairperson: Wen-Qing Shen

Fundamental nuclear physics at CNRS/IN2P3

Fanny Farget (CNRS/IN2P3, Paris)

Fundamental nuclear physics at CEA

Nicolas Alamanos (CEA/DRF/IRFU, Saclay)

European research framework in nuclear physics

Marek Lewitowicz (NUPECC and GANIL, Caen)

Lunch

14:30 – 16:00 Visit of GANIL and Spiral2

16:30 – 18:10

Chairperson: Marek Ploszajczak

Simplicity exhibited by complex nuclear structure

Yumin Zhao (SJTU, Shanghai)

Theoretical Nuclear Structure Physics in France

Vittorio Somà (Irfu/DPhN, Saclay)

Nuclear resonances by ab-initio investigations

Furong Xu (PKU, Beijing)

Dynamics of irradiation: from molecules to nano-objects and from material science to biology

Eric SURAUD, LPT/IRSAMC, Toulouse

19:00 Cocktail dinner

GANIL guesthouse

Wednesday 11th April

9:00 – 10:40

Chairperson: Wenlong Zhan

Researches on nuclear fission in France

Beatriz Jurado (CENBG, Bordeaux)

Experimental research on heavy-ion induced fusion and fission reactions at near-barrier energy region

Huiming Jia (CIAE, Beijing)

Quantified Gamow Shell Model interaction for psd-shell nuclei

Yannen Jaganathen (GANIL, Caen)

Experimental research on the reactions and decays of exotic nuclei

Chengjian Lin (CIAE, Beijing)

Coffee break

11:10 – 12:00

Chairperson: Fanny Farget

Heavy ion cancer therapy in China

Guoqing Xiao (IMP-CAS, Lanzhou)

Hadron therapy and radioisotope production in France

David Brasse (IPHC, Strasbourg)

Lunch

14:00 – 16:00 Visit of Archade, hadrontherapy facility

Coffee break

15:30 – 17:10

Chairperson: David Boilley

Experimental Nuclear Structure Physics at GANIL

Emmanuel Clément (GANIL, Caen)

Nuclear clustering in light neutron-rich nuclei

Yanlin Ye (PKU, Beijing)

Clustering effects in reactions with light even-even $N=Z$ nuclei

Luca Morelli, (GANIL, Caen)

Robustness of the $N=34$ shell closure: First spectroscopy of ^{52}Ar

Hongna Liu (CEA/DRF/IRFU, Saclay)

Thursday 12th April

9:00 – 10:40

Chairperson: Frédéric Chautard

Accelerators R&D in France

Jean-Luc Biarrotte (IN2P3)

High intensity ion beam production and acceleration at IMP

Hongwei Zhao (IMP-CAS, Lanzhou)

R&D on ECR sources and injectors in France

Jérôme Schwindling (CEA/DRF/IRFU, Saclay)

Development of high power superconducting linacs at IMP

Yuan He (IMP-CAS, Lanzhou)

Coffee break

11:00 – 13:00

Chairperson: Chengjian Lin

R&D on charged particles detectors

Freddy FLAVIGNY (IPNO, Orsay)

Status and challenge of HIAF project

Jiancheng Yang (IMP-CAS, Lanzhou)

Gamma-ray detectors in France

Christophe Theisen (CEA/DRF/IRFU, Saclay)

Physics Opportunities at the New Facility HIAF

Xiaohong Zhou (IMP-CAS, Lanzhou)

NFS facility

Xavier Ledoux (GANIL, Caen)

Lunch

14:30 – 16:35

Chairperson: Yu-Gang Ma

Research on Nuclear Dynamics and Equation of State

Olivier Lopez (LPC, Caen)

Penta-quark states with strangeness, charm and beauty

Bingsong Zou (ITP-CAS, Beijing)

Phase transition dynamics for hot nuclei and N/Z influence

Bernard Borderie (IPNO, Orsay)

FAZIA/INDRA@GANIL: data for nuclear matter equation of state

Rémi Bougault (LPC, Caen)

Extreme exotism in lanthanides: achievements and open questions

Costel Petrache, CSNSM, Orsay

Coffee break

16:50 – 18:30

Chairperson: Yanlin Ye

DESIR and Low energy nuclear structure physics

Jean-Charles Thomas (GANIL, Caen)

Mass measurements of short-lived nuclides at the heavy-ion storage ring in Lanzhou

Yuhu Zhang (IMP-CAS, Lanzhou)

Nuclear astrophysics in France

Beyhan Bastin (GANIL, Caen)

Nuclear astrophysics at IMP

Xiaodong Tang (IMP-CAS, Lanzhou)

20:00 Banquet

Friday 13th April

9:00 – 10:40

Chairperson: Hongwei Zhao

Research on SHE in France and S3

Dieter Ackermann (GANIL, Caen)

Systematic calculations on alpha-decay half-lives of heavy and superheavy nuclei

Zhongzhou Ren (TJU, Shanghai)

Synthesis of super-heavy elements and fusion hindrance

David Boilley (GANIL and Normandie Université, Caen), Caiwan Shen (Huzhou University, Huzhou)

Production of heavy neutron rich nuclei in multi-nucleon transfer reactions

Feng-Shou Zhang (BNU, Beijing)

10:45 – 12:00 Wrap-up discussions and future collaborations

Chairpersons: Feng-Shou Zhang and Marek Lewitowicz

Farewell cocktail

13:30 Excursion to Mont Saint Michel