Program of the NUSPIN 2017 workshop

Monday 26th June

KBW, Main Lecture Hall

12:30	Lunch
13:30	Coffee

14:00-14:15 **Welcome**

Silvia Lenzi (University of Padova, Italy)

Session 1: chair: Silvia Lenzi

14:15-14:40	Paolo Giubellino (GSI/FAIR, Germany)
	FAIR physics and perspectives for Nuclear Structure
14:40-15:05	Alahari Navin (GANIL, France)
	Xperimenting X ploring X periencing Femtoscience at GANIL
15:05-15:30	Diego Bettoni (Legnaro National Laboratories, Italy)
	From Basic Research to Applications of Nuclear Technologies
15:30-15:55	Takaharu Otsuka (RIKEN/University of Tokyo, Japan)
	Shell-model challenge to gamma-ray spectroscopy
15:55-16:20	Coffee
15:55	Workshop Photo

Session 2: chair: Araceli Lopez-Martens

16:20-16:45	Gabriel Martinez-Pinedo (TU Darmstadt, Germany) Explosive nucleosynthesis of heavy elements: an astrophysical and nuclear physics challenge
16:45-17:10	Jonathan Wilson (IPN Orsay, France)
	Physics at the ALTO facility
17:10-17:35	Adam Maj (IFJ, Krakow, Poland) First PARIS experiments in the ENSAR2 TNA facilities
17:35-18:00	Gabriel Suliman (ELI-NP, Romania)
	The segmented clover detector array (ELIADE) for NRF experiments at ELI-NP

18:00-18:15	Magdalena Matejska-Minda (HIL, University of Warsaw, Poland)
	Electromagnetic properties of ⁴⁵ Sc studied by low-energy Coulomb excitation
18:15-18:30	Ana Isabel Morales López (IFIC, Valencia, Spain)
	Decay studies of exotic A \sim 70 nuclei: Test of nuclear properties at both extremes of the nuclear chart
18:30-18:45	Tugba Arici (GSI, Darmstadt, Germany)
	Deformation around $A=70$ through the proton drip-line
18:45	Welcome Reception

Tuesday 27th June

KBW, Main Lecture Hall

Session 3: chair: Piotr Bednarczyk

9:00-9:25	Frederic Nowacki (IPHC, Strasbourg, France)
	Shell Model Far From Stability: Islands of Inversion Mergers
9:25-9:50	Riccardo Raabe (KU Leuven, Belgium)
	Novel experimental approaches to transfer reactions with RIBs
9:50-10:15	Fabio Crespi (University of Milano and INFN, Italy)
	Gamma decay of pygmy states from inelastic scattering of ions
10:15-10:30	Dmitry Testov (DIFA and INFN Padova, Italy,)
	E2 transition probabilities in light 110,112 Te isotopes
10:30-10:45	Marc Lettmann (TU Darmstadt, Germany)
	Signatures of triaxiality in low-spin spectra of ⁸⁶ Ge

10:45 – 11:05 Coffee

Session 4: chair: Jürgen Gerl

11:05-11:30	Christopher Campbell (LBNL, United States of America)
	GRETINA: Status and Recent Results
11:30-11:55	Alejandro Algora (IFIC, Valencia, Spain) DTAS: recent results and future plans
11:55-12:10	Claus Müller-Gatermann (IKP Cologne, Germany)
	A New Dedicated Plunger Device for the GALILEO gamma-ray array
12:10-12:25	Agnese Giaz (INFN Milano, Italy)
	Investigation of internal background of $^7\mathrm{Li}$ and $^6\mathrm{Li}$ enriched CLYC scintillators
12:25-12:40	Sefa Erturk (Omer Halisdemr University, Turkey)
	Performance of NUMEXO2 Digital Electronic : Effect of K-parameter on the Energy Resolution

12:40-14:00 Lunch

Session 5: chair: Norbert Pietralla

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14:00-14:25	Tomas Rodriguez (Universidad Autónoma de Madrid, Spain)
	Recent applications of symmetry conserving configuration mixing methods to describe nuclear spectra
14:25-14:50	Liam Gaffney (CERN, Switzerland) Exploiting post-accelerated RIBs with Miniball at HIE-ISOLDE
14:50-15:05	Christian Lorenz (Lund University, Sweden)
	Quantum State Selective Decay Spectroscopy of ²¹³ Ra
15:05-15:20	Volker Werner (TU Darmstadt, Germany)
	The shape-transitional 98 Zr: Measurement of the 21^+ B(E2) value with GRETINA/CHICO2 at ATLAS/CARIBU
15:20-15:45	Angela Bracco (University of Milano and INFN, Italy)
	The new Long Range Plan of NuPECC for Nuclear physics
15:45-16:00	Coffee
16:00	Transport to Darmstadt

17:00 – 18:00 Concert

19:00 - Dinner

Wednesday 28th June

KBW, Main Lecture Hall

Session 6: chair: Johan Nyberg		
9:00-9:25	Luigi Corragio (INFN, Naples, Italy)	
	Realistic Shell Model for Exotic Nuclei: Reliability and Predictability	
9:25-9:50	Caterina Michelagnoli (ILL, Grenoble, France)	
	FIPPS: the new Nuclear Physics instrument of ILL	
9:50-10:05	Rudrajyoti Palit (TIFR, Mumbai, India)	
	Wobbling modes in odd-A nuclei in A~130 region	
10:05-10:20	Sudipta Saha(TU Darmstadt and GSI, Darmstadt, Germany) Observation of a long regular band structure at high spin in ⁸⁹ Zr	
10:20-10:35	Cesar Lizarazo (TU Darmstadt, Germany)	
	Isomer decay spectroscopy of neutron-rich 92-94Se	
10:35-10:55 Coffee		
Session 7: chair	r: Franco Camera	
10:55-11:20	Jeremie Dudouet (IPNL, Lyon, France)	
	Exploring the low Z boundary of the island of deformation at N=60 using AGATA and VAMOS $$	
11:20-11:45	Marcel Heine (IPHC/CNRS, Strasbourg, France)	
	Sub-barrier fusion cross section measurements with gamma-particle-coincidences with STELLA	
11:45-12:10	Jean-Marc Régis (IKP, Köln, Germany)	
	New expertise on gamma-gamma fast timing using arrays of LaBr $_3(\mbox{Ce})$ detectors	
12:10-12:25	Guangshun Li (GSI,Germany)	
	Simulation on the DESPEC Germanium Array Spectrometer (DEGAS)	
12:25-12:40	Grześ Jaworski (LNL INFN, Italy)	
	The New Neutron Multiplicity Filter NEDA	
12:40-14:00 Lunch		
14:00-14:25	Paul Greenlees (University of Jyväskylä, Finland)	
	Nuclear Structure Studies at JYFL	
14:25-14:50	Zsolt Podolyak (University of Surrey, United Kingdom)	
	The HISPEC/DESPEC project at FAIR	

Working Groups meetings

Wednesday 28th June, KBW, Main Lecture Hall

Introduction: D	Daniele Mengoni (University of Padova and INFN, Italy)
WG1:	Perspective for the use of gamma-ray spectrometers
	Convener: Francesco Recchia (University of Padova and INFN, Italy)
14.50-15.10	Jonathan Wilson (IPN Orsay, France) (tbc)
	On a distributed HPGe det lab (tbc)
15.10-15.30	Paul Greenlees (University of Jyväskylä, Finland)
	JUROGAM III + MARA
15.30-15.50	Francesco Recchia (University of Padova and INFN, Italy)
	A new setup for direct reaction w/ RIBs
15.50-16.10	Coffee break
WG2:	Data treatment for PSA, FEE, beam tracking devices
	Convener: Marlène Assie (IPN Orsay, France)
16.10-16.30	Gabriele Pasquali (University of Florence and INFN, Italy)
	Radiation damage effects on the PSA performance
16.30-16.50	Ramon Aliaga (University of Valencia, Spain)
	A Self-triggered, Deadtime-less FEE
16.50-17.10	Chiara Nociforo (GSI, Germany)
	Pico-second resolution timing measurements
WG3:	High-efficiency and fast-timing scintillators
	Convener: Enrique Nacher (IEM-CSIC, Madrid, Spain)
17.10-17.30	Franco Camera (University of Milano and INFN, Italy)
	Response of a large LaBr ₃ :Ce detector to 6-38 MeV gamma rays
17.30-17.50	Jose Manuel Udias (Univ. Complutense de Madrid, Spain)
	Digital strategies for time and energy measurement for ultra-fast scintillators
17.50-18.10	Joakim Cederkal (University of Lund, Sweden)

Innovative solutions for the CALIFA forward endcap

18.10-18.15 Short Break

WG4: Coupling a plunger device with a particle detector

Convener: Alain Goasduff (University of Padova and INFN)

18.15-18.25 Joa Ljungvall (CSNSM Orsay, France)

title tbd

18.25-18.55 Asli Kusoglu (ELI – NP, Romania)

High precision g-factor measurements with stable and radioactive nuclei

and perspectives for experiments @SPES and @ELI-NP

Conclusive remarks (All)

Scientific Committee meeting KBW 2.28 16:00

Program of the Annual AGATA Collaboration Meeting

Thursday 29th June

KBW, Main Lecture Hall

09:00	Start of meeting
	chair: Johan Nyberg
09:00-09:30	Andres Gadea (IFIC Valencia, Spain)
	AGATA status
09:30-09:55	Emmanuel Clement (GANIL, France)
	AGATA campaign at GANIL
09:55-10:15	Paddy Regan (University of Surrey, UK)
	AGATA + FATIMA sub-campaign at GANIL
10:15-10:35	Gilles de France (GANIL, France)
	AGATA + DIAMANT + NEDA sub-campaign at GANIL
10:35-11:00	Coffee
	chair: Jürgen Gerl
11:00-11:15	Philipp Napiralla (IKP TU Darmstadt, Germany)
	Bayes-Tracking - A novel Approach to Gamma-ray Tracking
11:15-11:30	Hongjie Li (GANIL, France)
	Improving Pulse Shape Analysis in a tracking array with reference pulses obtained from source data

AGATA Campaign at GSI 2012-2014

11:30-11:45	Natasa Lalovic (Lund University, Sweden)
	Projectile fragmentation experiments in PreSPEC AGATA's S429: insight to exotic-nuclei production mechanisms via isomeric ratios
11:45-12:00	Oliver Wieland (INFN Milano, Italy)
	Investigation of E1 Strength in ^{64,62} Fe
12:00-12:15	Alberto Boso (INFN Padova, Italy)
	Isospin Mixing in the A=46, T=1 Isobaric Multiplet
12:15-12:30	Tayfun Hüyük (IFIC-CSIC Valencia, Spain)
	Coulomb excitation of the band-terminating 12 ⁺ yrast trap in ⁵² Fe

AGATA Campaign at GANIL 2015-2017

chair: Silvia Lenzi

17:30	End of meeting
16:00-17:30	Closed AGATA Collaboration Council Meeting
15:45-16:00	Coffee
	Prompt-delayed γ -ray spectroscopy with AGATA, EXOGAM and VAMOS++: Report on the present status of e661
15:30-15:45	Yung Hee Kim (GANIL, France)
	Evolution of collectivity around $N = 40$: Lifetime measurements in 73,75 Ga: Status of the analysis
15:15-15:30	Caterina Michelagnoli (ILL Grenoble)
	Evolution of the shell structure in the region of neutron-rich Ti isotopes
15:00-15:15	Christoph Fransen (IKP Cologne, Germany)
	Towards lifetime and g-factor measurements of short-lived states in the vicinity of ²⁰⁸ Pb
14:45-15:00	Damian Ralet (CSNSM Orsay, France)
	Collectivity along N = 50: the neutron-magic 92 Mo and 94 Ru
14:30-14:45	Rosa Maria Pérez Vidal (IFIC-CSIC Valencia, Spain)
	Lifetime measurement in N=Z=50 region
14:15-14:30	Marco Siciliano (INFN LNL, Italy)
	Test of the $N=50$ neutron gap in the vicinity of ^{78}Ni and systematics of neutron-rich Ge nuclei
14:00-14:15	Francois Didierjean (IPHC Strasbourg, France)