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

DC351011 1	. Chan. Shvia 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 Xploring Xperiencing 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 (University of Tokyo, Japan)
	Shell-model challenge to gamma-ray spectroscopy
15.55 16.20	Coffee

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 commented eleven detector energy (FLIADE) for NDE experiments of

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 ~ 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
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

The shape-transitional ⁹⁸Zr: 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)

Christian Lorenz (Lund University, Sweden)

Volker Werner (TU Darmstadt, Germany)

The new Long Range Plan of NuPECC for Nuclear physics

Quantum State Selective Decay Spectroscopy of ²¹³Ra

15:45-16:00 Coffee

14:50-15:05

15:05-15:20

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	: 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	
14:00-14:25	Paul Greenlees (University of Jyväskylä, Finland)
14.25 14.50	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 VAMOS GFM
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)