AGATA Pre-PAC Workshop
February 7th – 9th

PROGRAM

Wednesday 7th

14:30	S. Lenzi	Welcome
14:45		GANIL Management
15:15	A. Gadea	AGATA
15:30	A. Lemasson	VAMOS
15:45	C. Theisen	GFM
16:00	G. De France	NEDA
16:15	C. Fransen	Plunger
16:30	D. Mengoni	MUGAST

17:00 Coffee break

17:30 General discussion

18:30 Welcome cocktail

Thursday 8th

MUGAST session

9:00 A. Matta
^{29}Mg : Mapping shell evolution toward the island of inversion

9:20 A. Gottardo
^{46}Ar(^{3}He,d) ^{47}K : what is the role of $\pi s_{1/2}$ along N=28 ?

9:40 F. Flavigny
Mapping of neutron orbitals around N=28 using ^{56}Ni(d,p) ^{57}Ni

10:00 F. Recchia
Neutron capture at the 85Kr s-process branching

10:20 M. Assie
Study of n-p pairing in fp-shell through to-nucleon transfer reactions

10:40 A. Goasduff
Shape coexistence in ^{68}Se : searching for excited 0^{+} states

11:00 Coffee break

11:30 D. Mengoni
Shape transition along and across N=28 : 0_2^+ in ^{48}Ar

11:50 A. Gadea
Experimental measurement of the Nilsson (Quasi-SU3) orbitals in the valence maximum of the fp-shell

12:10 G. Lotay
Probing the ^{56}Ni waiting point in Type-I X-ray bursts via ^{55}Co*(d,p)* and ^{57}Ni*(d,p)*

12:30 A. Gottardo (for G. De Angelis)
The ^{79}*Se(n,Υ)* capture cross section via the surrogate ^{79}*Se (d,p)* ^{80}*Se* reaction

12:50 Lunch

14:30 C. Diget
Determining the α + ^{15}O radiative capture rate by measurement of the ^{6}Li(^{15}O,d)^{19}Ne reaction

GFM Session

14:50 C. Theisen (for B. Sulignano)
Prompt spectroscopy of heavy nuclei via multinucleon transfer and deep-inelastic reactions

15:10 C. Theisen (for J. Ljungvall)
Lifetime measurements of excited states in the ground state band in 254No using the AGATA, VAMOS gas-filled setup and the focal plane MUSETT

15:30 C. Fransen
Shape coexistence in neutron-deficient ^{176}Hg : First measurement of E2 transition strengths in the yrast band

15:50 B.S. Nara Singh
Lifetime measurements in 147Tm to test models which simultaneously predict proton and Υ-ray emission rates in a triaxial nucleus for the first time

16:10 B. Cederwall
Lifetime measurements of excited states in the T_z = 1 nuclides ^{106}Te and ^{110}Xe near the *N = Z = 50* double shell closure

16:30 Coffee break

16:50 C. Theisen
Spectroscopy of the heaviest odd-mass actinide nuclei

DSSD Session

17:10 E. Clément
Study of the collectivity in neutron deficient 118,120Xe by safe coulomb excitation. Production of radioactive Xe isotopes by fusion evaporation at SPIRAL1

17:30 P. Reiter
Mirror symmetry and cross-shell excitations in the sd shell : Coulomb excitation of Ar

19:30 Workshop dinner – Restaurant “Le gout des autres”

Friday 9th

VAMOS Session

9:20 A. Goasduff (for M. Siciliano)
Probing Z=50 shell closure via lifetime measurement in ^{110,112,114}Sn and ^{111,113}Sb

9:40 A. Goasduff
Lifetime measurements of low-lying stages in light actinides

10:00 B. Cederwall
Production test for spectroscopy and lifetime measurements in the A=78 isobaric triplet using multi-nucleon transfer reactions

10:20 L. Caceres (for D. Ackermann)
Identification of exotic reaction channels in ^{238}U+^{238}U

NEDA Session

10:40 D. Testov
Observation of Isospin Mixing in Self-conjugate ^{68}Se Nucleus

11:00 Coffee break

11:30 D. Testov
Np-correlations in rotational band alignments in light Cs isotopes

11:50 A. Illana
Shape coexistence Vs. Triaxiality in the $N = Z$ region : The cas of ${86}$Mo

12:10 A. Gadea
Lifetime measurements of low-lying states in ^{56}Ni populated in 2 proton transfer reactions with a ^{3}He target

12:30 J.J. Valiente Dobon
To be confirmed