



# Physics opportunities with the SPIRAL upgrade

## mardi 9 février 2016

### AGATA with SPIRAL beams: AGATA with SPIRAL beams (16:30 - 18:30)

time	[id] title	presenter
16:30	[37] Detailed spectroscopy $^{112}\text{Cd}$ and $^{240}\text{Pu}$ isotopes using fusion evaporation reactions with $^6\text{He}$ beam from SPIRAL1	KORICHI, Amel
16:50	[40] Direct isospin mixing measurement in Coulomb excitation of an $^{38}\text{mK}$ isomeric beam	Dr DE FRANCE, Gilles
17:10	[39] Population of the $N=Z$ region around the $^{100}\text{Sn}$ via cluster emission.	Dr BONNET, Eric
17:30	[38] Probing the H-burning rate through the CNO-cycle via the Coulomb-excitation of $^{15}\text{O}$	Mme MICHELAGNOLI, Caterina
17:50	[21] Study of explosive hydrogen burning in classical novae using $^{30}\text{P}$ and $^{25}\text{Al}$ radioactive ion beams	DE SÉRÉVILLE, Nicolas

**mercredi 10 février 2016****AGATA with SPIRAL beams: Shared session with the AGATA workshop (09:00 - 11:00)**

time	[id] title	presenter
09:00	[42] Study of light nuclei with A=25 via multi-nucleon transfer reactions induced by radioactive beams	Dr BENZONI, giovanna
09:20	[43] Lifetime measurements in the A~70 region using the relativistic Coulomb excitation and three-foil plunger techniques	Dr CULLEN, D. M.
09:40	[44] Mirror symmetry in the sd shell close to the proton drip line	VOGT, Andreas
10:00	[45] <sup>29</sup> Mg: Tracking shell evolution toward the island of inversion	Dr MATTA, Adrien
10:20	[46] Study of n-p pairing in fp-shell through two-nucleon transfer reactions	Dr ASSIÉ, Marlène

**AGATA with SPIRAL beams: Shared session with the AGATA workshop (11:30 - 13:00)**

time	[id] title	presenter
11:30	[47] Mapping of neutron orbitals around N=28 using <sup>56</sup> Ni(d,p) <sup>57</sup> Ni	FLAVIGNY, Freddy
11:50	[48] Oblate driving force in n-deficient nuclei above <sup>56</sup> Ni: occupation in <sup>68</sup> Se	M. MENGONI, Daniele
12:10	[49] Structure of low-lying states in <sup>43,45</sup> Ar studied using Coulomb excitation of SPIRAL beams	ZIELINSKA, Magda
12:30	[50] Shape transition along and across N=28: 0+ 2 in <sup>46,48</sup> Ar	M. MENGONI, Daniele
12:50	[51] Concluding remarks SPIRAL1 beams	