





SUMMARY OF LOIS FOURTH AGATA PRE-PAC

Magda Zielińska, CEA Saclay



DETAILS OF THE CURRENT CALL FOR LOIS





- stable beams from the Tandem-ALPI-PIAVE complex
- complementary detectors compatible with PRISMA
- experiments ready to run before summer 2024
- second Pre-PAC (and first for the TAP complex) where only new projects need to be presented; there may be projects that will be proposed to the PAC following their discussion at earlier Pre-PAC meetings
- current Pre-PAC: 13 new projects + 3 building on earlier measurements with AGATA@LNL + 4 resubmitted ones, for a total of 144 days (+ one project that did not provide a beamtime estimate (2))
- for comparison: previous Pre-PAC for the TAP complex: 28 projects, but only 9 new ones



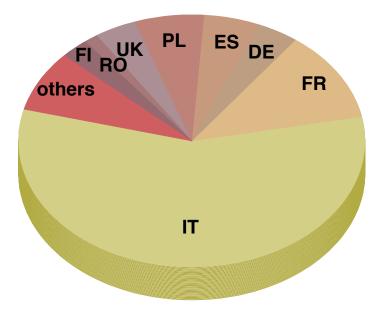
ACCEPTED PROPOSALS (PRIORITY A + SCHEDULED PRIORITY B)







- Experiments involving PRISMA constitute almost one half of the total (plot includes those that use DANTE or LaBr together with PRISMA)
- Good balance between spectroscopy, lifetime measurements (plunger and DSAM), and Coulomb excitation/inelastic scattering; reaction mechanism studies important
- Good representation of most countries of the AGATA collaboration among the spokespersons, with a fair participation of other countries





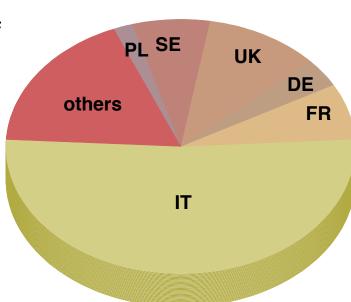
CURRENT CALL - STATISTICS







- Projects with PRISMA strongly dominate [some of them also use DANTE (3) or LaBr₃ (2)]
- For the first time no projects with SPIDER
- Many spokespersons from countries outside the AGATA collaboration (Croatia, Korea, China, Canada, US)





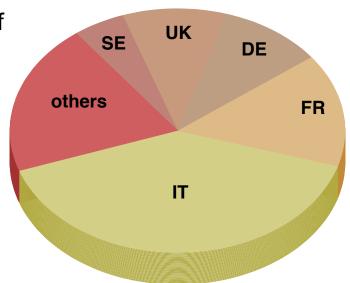
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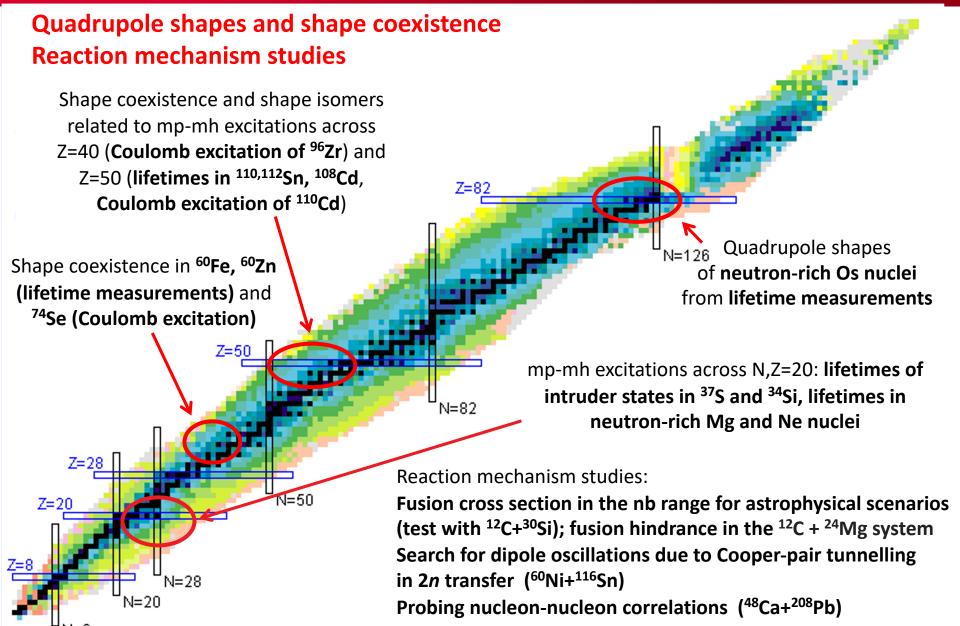
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- For the first time no projects with SPIDER
- Many spokespersons from countries outside the AGATA collaboration (Croatia, Korea, China, Canada, US)
- More balanced distribution between the countries if one looks at the first spokespersons only





PHYSICS CASES – ACCEPTED PROJECTS

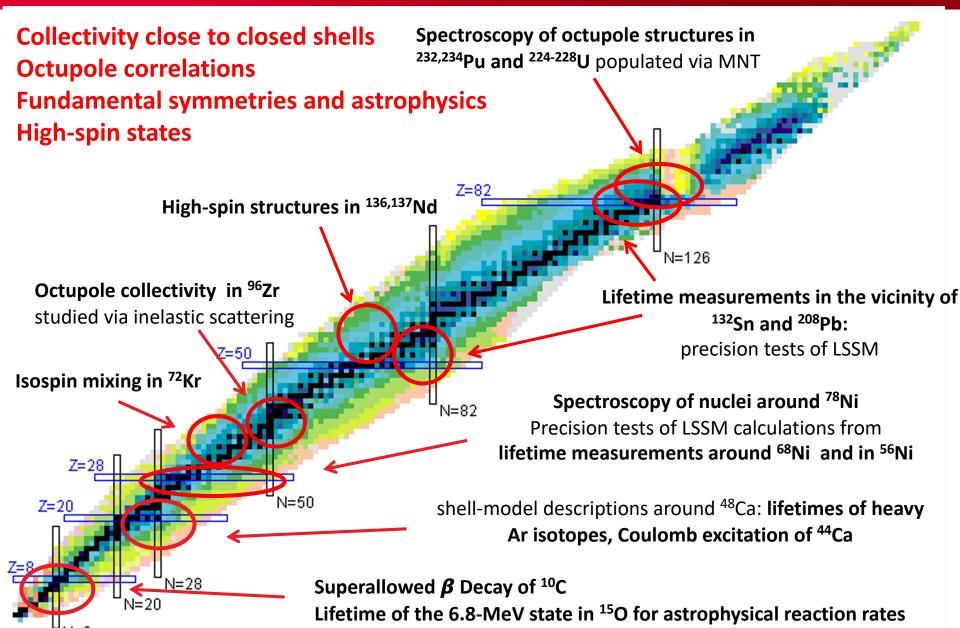






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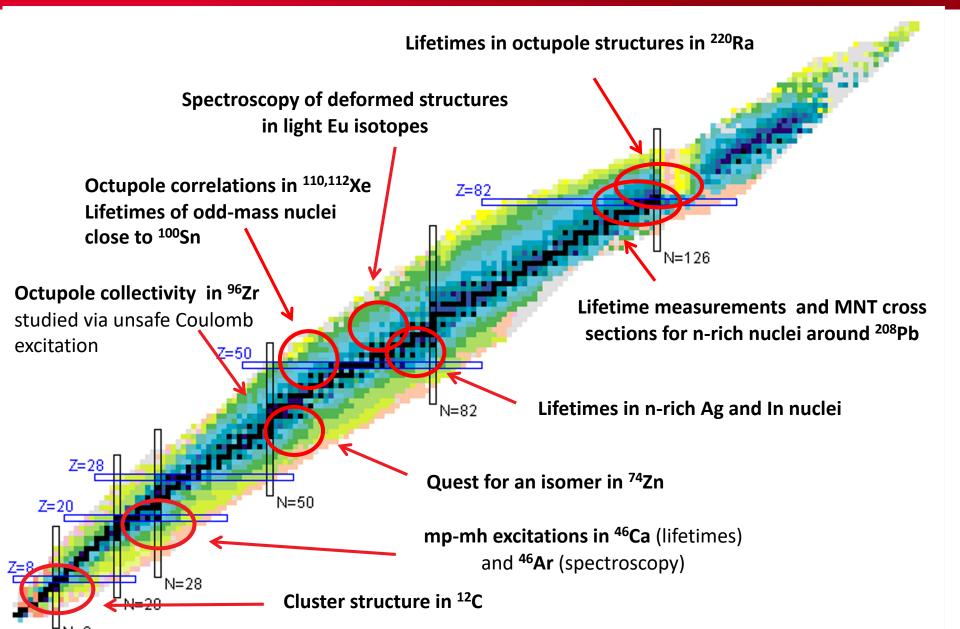






PHYSICS CASES – CURRENT CALL







FINAL REMARKS





- More new projects than at the previous Pre-PAC meeting discussing projects for Tandem-ALPI-PIAVE beams, but fewer projects in total; however, difficult to guess how many projects will be reproposed to the PAC
- Interest from researchers outside the AGATA collaboration is steadily increasing
- High-spin studies seem to become a valid option

 Variable level of detail from the proponents; in some cases the technical committee has trouble judging the feasibility due to insufficient information