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## Recent results from AGATA and VAMOS

In this talk, the recent experimental program and physics opportunities at the large acceptance VAMOS++ spectrometer at GANIL will be presented.

The development of new detection systems of the spectrometer and their performances will be shown.

Recent measurements arising from the unique combination of the Advanced Gamma Ray Tracking Array (AGATA), VAMOS++ and EXOGAM will be reported. Namely, new results from the prompt and prompt-delayed g-ray spectroscopy of isotopically identified fission fragments will be used to discuss the evolution of shell structure in the vicinity of  $Z=50$  (Sb isotopes) and  $N=50$  shell closures ( $^{81}\text{Ga}$ ).

In addition, ongoing experimental program at VAMOS++ including fission dynamics using transfer induced fission in inverse kinematic and transfer reaction in inverse kinematics using MUGAST and AGATA will also be discussed.

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