



## New Trends in Nuclear Physics Detectors

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## New Detectors at GANIL - status and perspectives

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New facilities and detector systems of the GANIL-SPIRAL2 facility will be presented with an emphasis on recent developments of innovative and multi-detector systems. The NFS and S3 experimental areas of SPIRAL2 required a development of dedicated experimental approaches for physics with fast neutrons and heavy-ions respectively. Combination of gamma-ray multi-detectors like AGATA, EXOGAM and PARIS were recently used or will be used soon in combination with magnetic spectrometers VAMOS and LISE and charged-particle or neutron detectors to study properties of nuclei far from stability and nuclear Giant Resonances. Active target ACTAR has been recently very successfully employed in experiments studying decays of or reactions with nuclei at the drip-lines. Powerful new charged-particle arrays INDRA-FAZIA and MUGAST which are under development by international collaborations at GANIL will be shortly described.

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