

Moments of Radioactive Nuclei*

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Recent advances in measuring the static moments of beams of radioactive nuclei (isomers or ground states) will be presented. In particular the study of nuclei produced and spin-oriented in fragmentation reactions will be addressed [1-4]. By combining different types of spin-orientation (alignment, polarization) with different experimental techniques (LMR, NMR, ...) it is possible to measure the magnetic dipole moments, electric quadrupole moments as well as the spin of exotic nuclei. Some examples of recent results obtained at the GANIL facility, such as g-factors of isomers near ⁶⁸Ni [5] or moments and spins of nuclei near ³²Mg [6], will be discussed.

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