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Gamma Spectroscopy at IPN Orsay

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The Orsay Gamma Array (ORGAM) is presently installed and running in the Orsay Tandem since 2009. A large amount of beam time has been devoted to gamma ray spectroscopy between 2009 and 2011 for ORGAM campaigns. Current July, 2011, part of the ORGAM array will be moved to Warsaw, Poland, for the EAGLE campaign.

This motivated us to plan for an ORGAM phase2 campaign and think of an optimum way to continue having an important gamma ray spectroscopy program at the IPNO Tandem, either on neutron rich nuclei by deep inelastic collisions or on $N=Z$ nuclei. A configuration with EUROBALL cluster and coaxial detectors is presently under study. This configuration should be compatible with different ancillary detectors, like FAZIA or PARIS demonstrators.

I'll present the status of ORGAM campaigns, of the mid-term (ORGAM phase2) and long-term future of gamma spectroscopy at the IPNO Tandem.

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