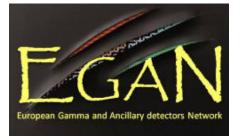
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Neutron-rich nuclei studied in the ¹³⁶Xe +²⁰⁸Pb deep-inelastic reaction

Thursday, 30 June 2011 12:01 (17 minutes)

A deep-inelastic reaction experiment with a 136Xe beam impinging on a 208Pb target was performed. Gamma rays were detected with the AGATA demonstrator. The beam-like fragments were identified with the PRISMA spectrometer on even-by-event basis. The DANTE heavy ion detector array was also used, with the aim of increasing the overall statistics of the reaction.

Doppler corrected gamma-ray spectra were obtained for both the identified beam-like nuclei and for the target-like binary partners. Preliminary results will be presented.

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Session Classification: First results & experiment status