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Performance of NUMEXO2 Digital Electronic : Effect of K-parameter on the Energy Resolution

A digital electronic namely NUMEXO2 has been developed recently and tested with EXOGAM2 (EXOtic GAMma array spectrometer) which is going to be used for high efficiency gamma-spectrometer for exotic nuclei spectroscopy using exotic radioactive beams at GANIL (Grand Accélérateur National d'Ions Lourds, Caen, France). In this study, the results from a test experiment performed at GANIL using NUMEXO2 with EXOGAM2 detectors in order to determine the dependency of energy resolution regarding the K-parameters of NUMEXO2 will be presented.

Primary author: Prof. ERTURK, SEFA (OMERHALISDEMIR UNIVERSITY)

Co-author: Dr BOZKURT, VAKKAS (OMER HALISDEMIR UNIVERSITY)

Presenter: Prof. ERTURK, SEFA (OMERHALISDEMIR UNIVERSITY)