## THE METHODS OF MULTIPARAMETER CORRELATION MEASUREMENTS FOR THE STUDY OF NUCLEAR REACTIONS

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The methods and procedures of multi-parameter correlation experiments for the study of nuclear reactions are developed. Computerized measurement system allows to determine the energy of reaction products, their charge and mass, to register and analyze the time and energy correlations of two- or three-particle coincident events. Developed system was tested and used in the experiments for the study of binary and three particle reactions  $d + {}^6Li$  and  $\alpha + {}^7Li$ .