FORWARD-ANGLE ISOTOPIC AND ELEMENT DISTRIBUTIONS INDUCED IN THE ^{18}O (35 · A MeV) + ^{9}Be REACTION

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The double achromatic, large solid angle, high momentum acceptance, and high-resolving separator COMBAS was created in the Flerov Laboratory of Nuclear Reactions, JINR. The layout of experimental setup (separator structure and detector arrangement) is presented. The forward-angle isotopic and element distributions induced in the ^{18}O (35 · A MeV) + ^{9}Be (14mg/cm^2) reaction were obtained and analyzed. The Q_{gg}-systematics, as a criterion for the binary production of isotopes, was used for isotopic yields description.