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A ΔE -E detector combined with CsI(Tl) crystal for monitoring of the relative electrons flux generated in interaction of accelerated nuclei beam on thin targets

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In the interaction of beam accelerated nuclei with thin targets (C-12, CH₂, Ag, Cu, Al) at JINR-Nuclotron are produced delta electrons. for their detection a deltaE-E detector is described. This detector is a semiconductor detector combined with an inorganic crystal of CsI(Tl), realized in Horia-Hulubei National Institute for R&D in Physics and Nuclear Engineering, Bucharest. Experimental data obtained in this experiment are presented and discussed. this information is important for the setting modes of the accelerator and carrying out of an experiment.

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