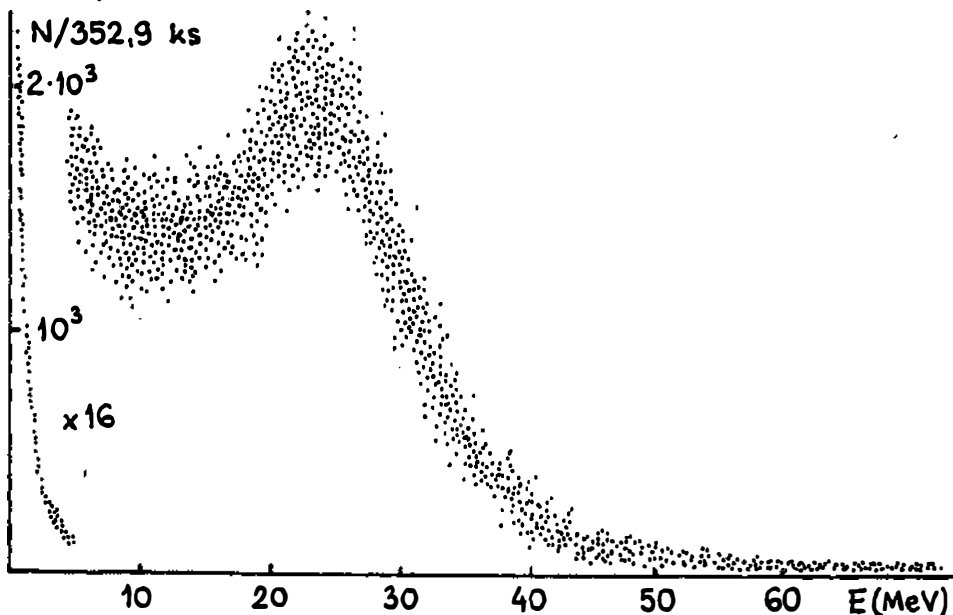


BACKGROUND SPECTRUM IN THE ENERGY REGION UP TO 60 MeV

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Spectrum presented on the figure has been taken with 3l ccm Ge(Li) spectrometer (preamplifier "Canberra" mod. 970; main amplifier "Ortec" mod. 410, and ND 100 2 k channel analyzer). Energy callibration and linearity check have been performed with "Ortec" mod. 419 pulse generator. (Reference lines taken from the lowest part of background spectrum were 1460,85 keV 40 K and 2614,6 keV 208 Tl).



Estimated end-point energy of this continuous spectrum from several independent measurements amounts

$$E_{\text{max.}} = (54 \pm 2) \text{ MeV.}$$

This energy is in good agreement with μ -meson decay energy $(53,00 \pm 0,32) \text{ MeV}^1)$.

1. V.O. Vajsenberg "Mju-meson", NAUKA, Moskva, 1964.