Some numbers: $E_c \approx 10$ MeV, $E_0 = 1$ GeV $\rightarrow$ $t_{max} = \ln 100 \approx 4.5$; $N_{max} = 100$

$E_0 = 100$ GeV $\rightarrow$ $t_{max} = \ln 10000 \approx 9.2$; $N_{max} = 10000$

	Szint.	LAr	Fe	Pb	W
X_0(cm)	34	14	1.76	0.56	0.35

$\rightarrow$ 100 GeV electron contained in 16 cm Fe or 5 cm Pb