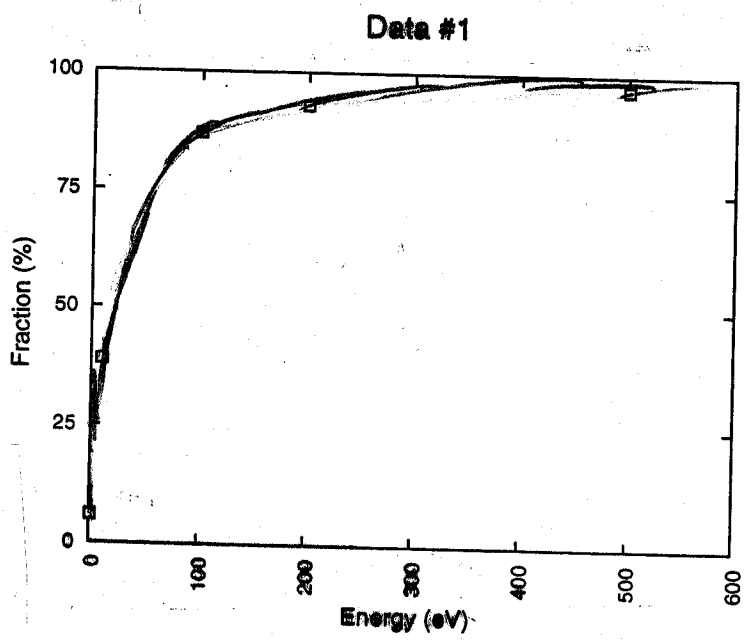
Data #1

	1	2
	Energy (eV)	Fraction (%)
1	1	6
2	10	39
3	100	87
4	200	93
5	500	97



1. ~95% of electrons have recoil energy < 300 eV.

$E = 300\,eV \qquad \gamma = 1.0006 \qquad \beta = .035$

Confine recoil electrons

$$R = \frac{mv}{qB} = \frac{\gamma\beta c\, m_0}{q\ B} = \frac{5.85\times10^{-5}\,m}{B}$$

$R = 3\,mm$ = 1 collector channel width

$$\boxed{B = 200\ G}$$