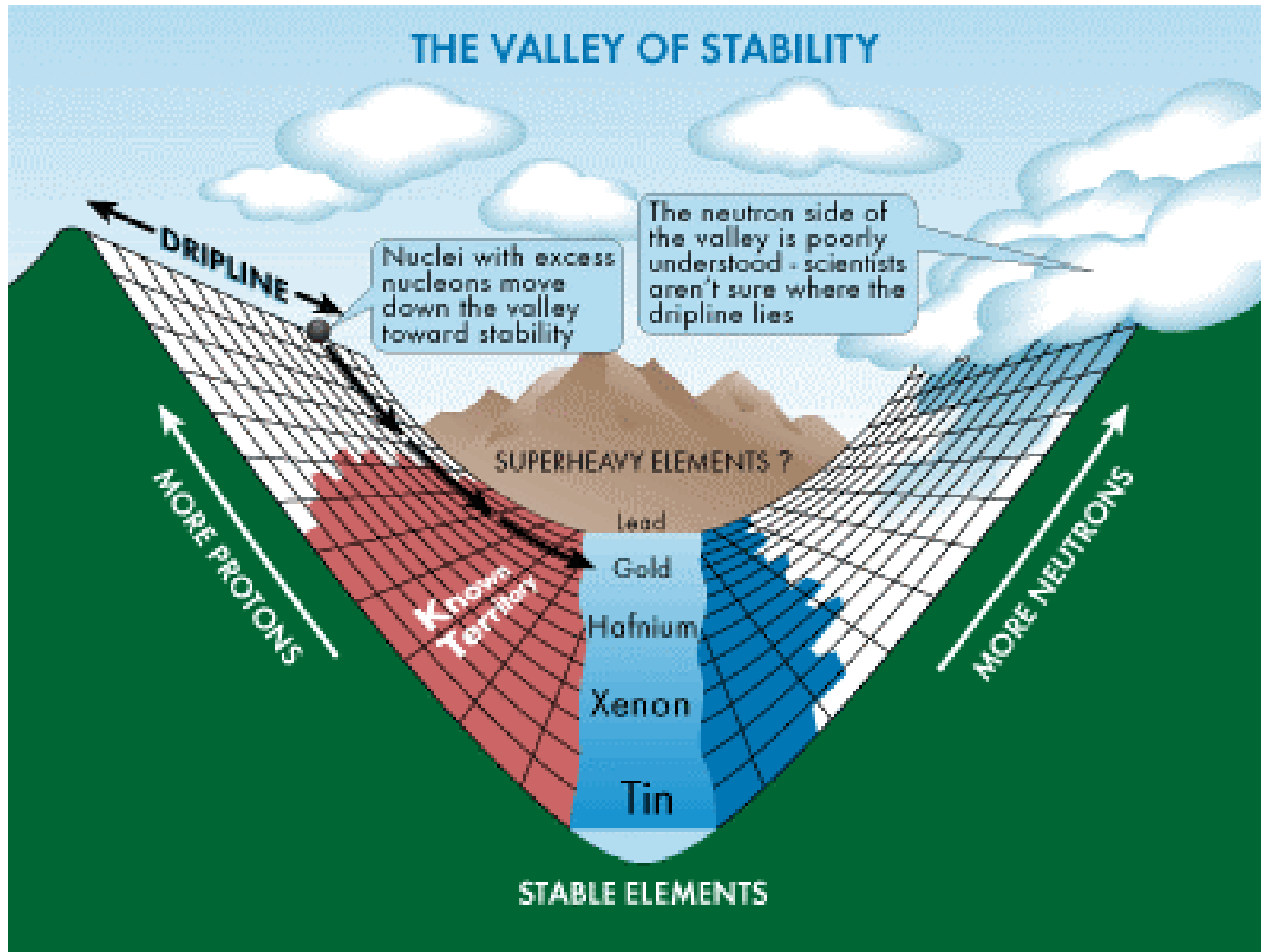
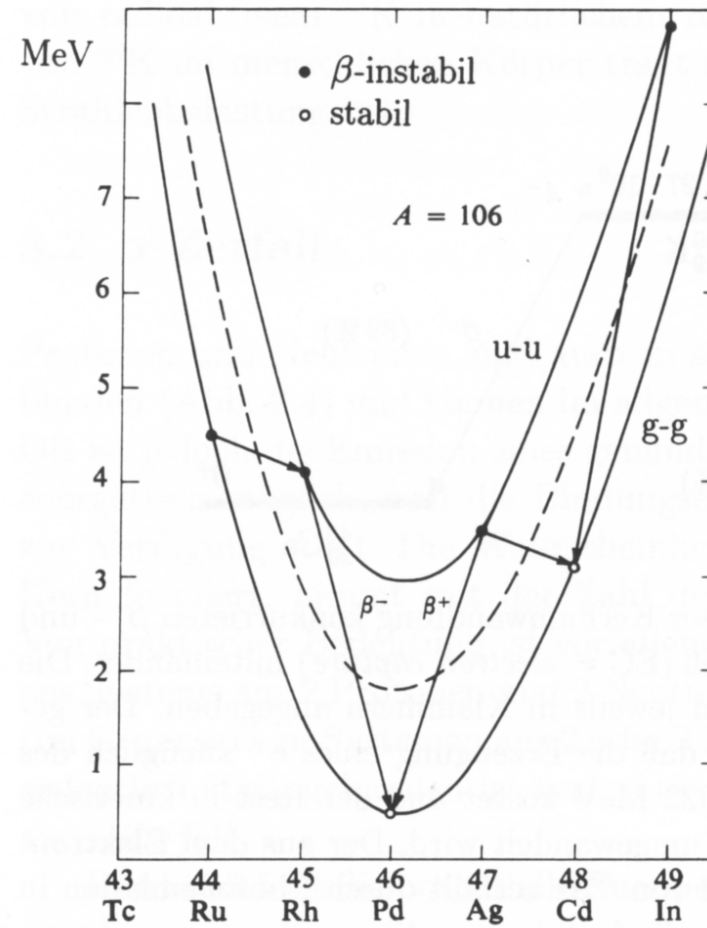
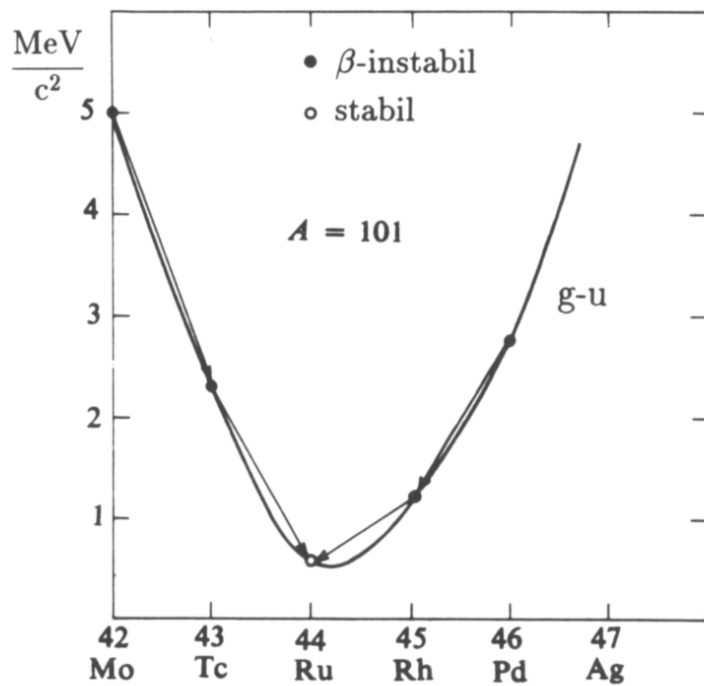


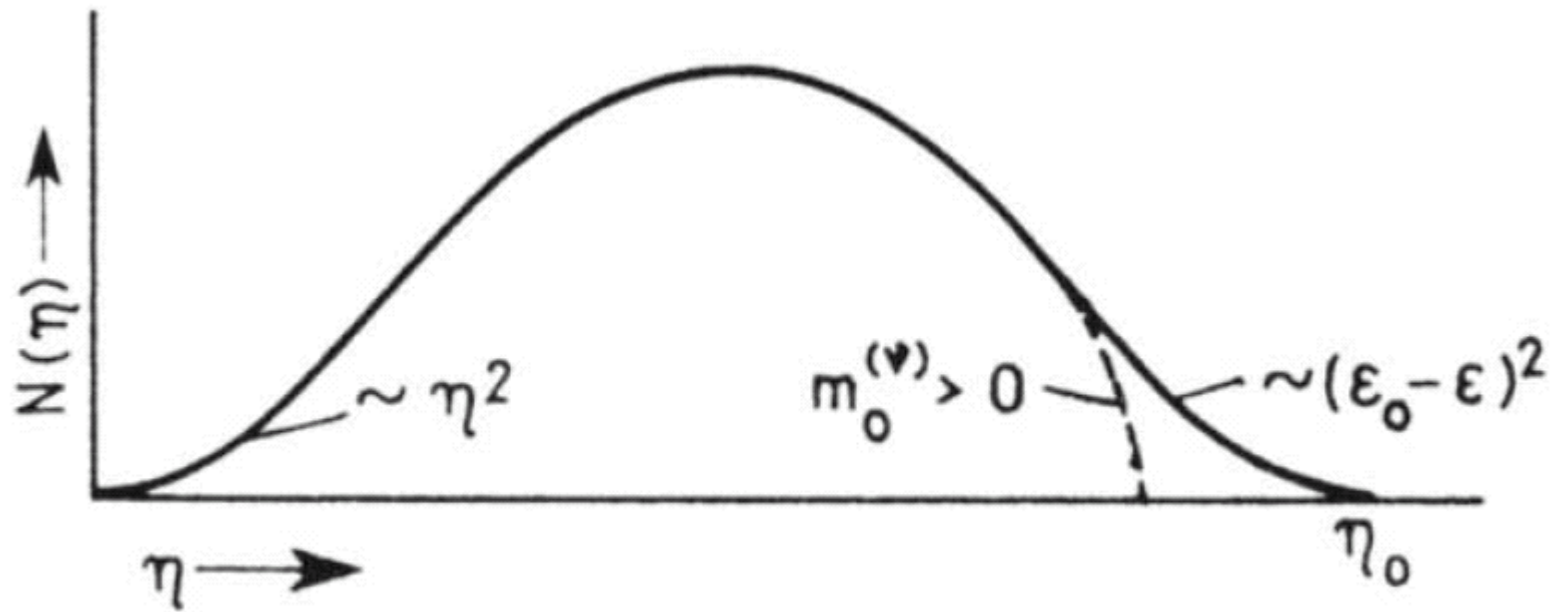
Das Stabilitätstal



Massenparabeln



Elektronenspektrum im Beta-Zerfall

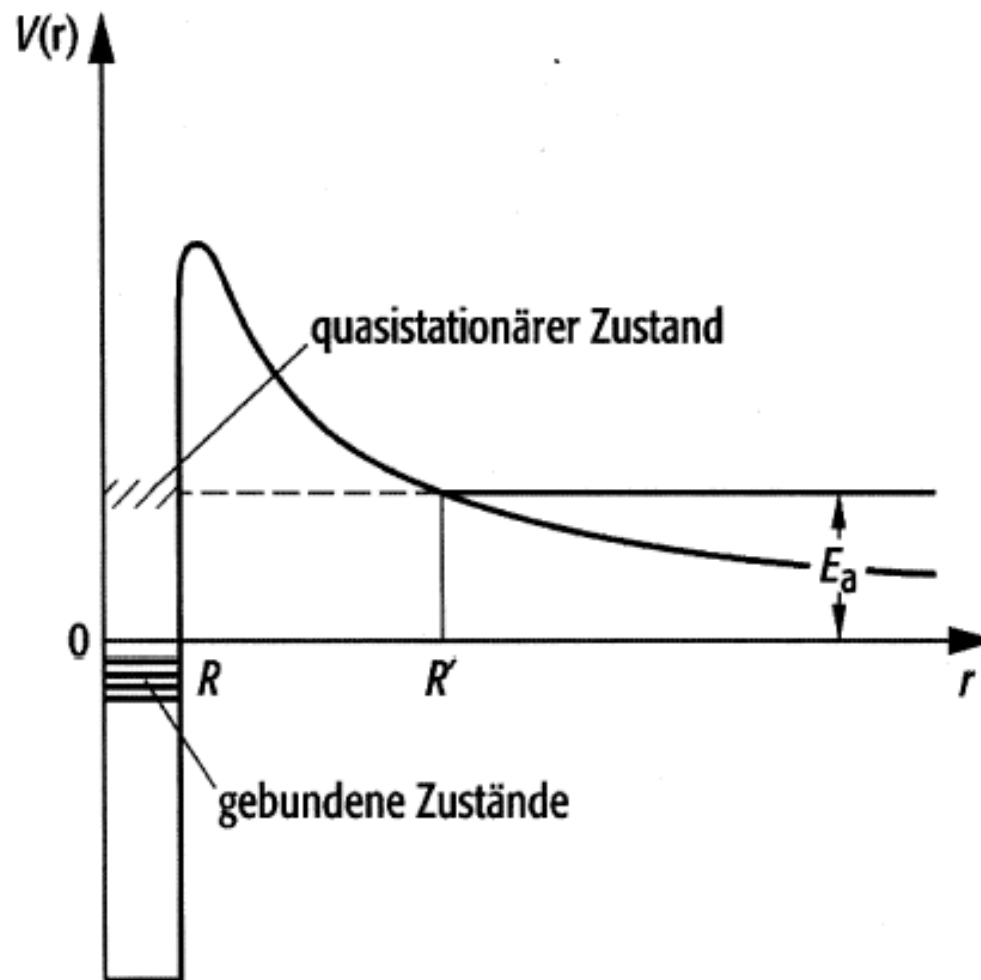




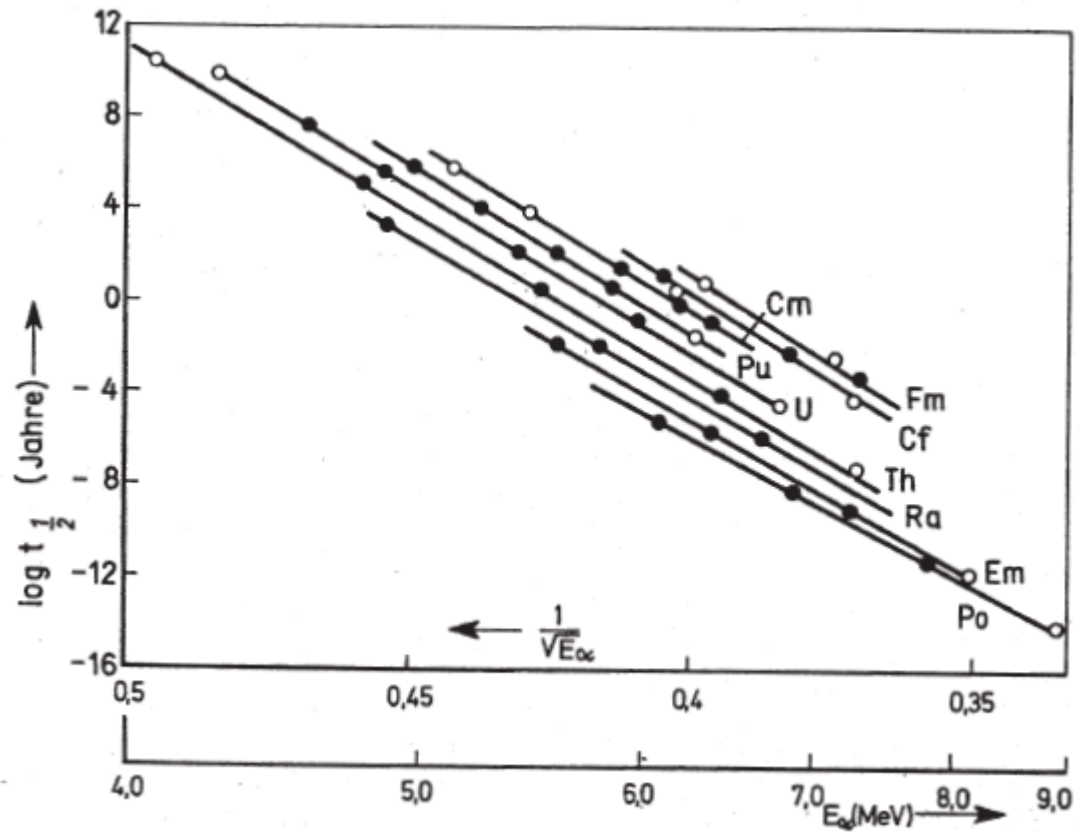
Log ft Werte

Übergang	Auswahlregel		log ft	Beispiel	
	ΔI	π		Isotop	$t_{1/2}$
übererlaubt	$0, \pm 1$	+	$3, 5 \pm 0, 2$	^1_0n	11.7 m
erlaubt	$0, \pm 1$	+	$5, 7 \pm 0, 1$	$^{35}_{16}\text{S}$	87 d
einfach verboten	$0, \pm 1$	-	$7, 5 \pm 1, 5$	$^{198}_{79}\text{Au}$	2,7 d
zweifach verb.	± 2	+	$12, 1 \pm 1, 0$	$^{137}_{55}\text{Cs}$	30 a
dreifach verb.	± 3	-	$18, 2 \pm 0, 6$	$^{87}_{37}\text{Rb}$	$6 \cdot 10^{10}$ a
vierfach verb.	± 4	+	22, 7	$^{115}_{49}\text{In}$	$6 \cdot 10^{14}$ a

Alpha-Zerfall



Geiger-Nuttall-Regel



Spaltung

