Guntfiths

5,11	Enougy gap between 25/2, 2Pyz due to lamb shift.	
	KCN,0) VS. { K(N,L) + ( ) }	
-	13.7 VS. 0.05± (3/2) 2-0.15	
=7	The energy split is opproximately 25 mc2(13).	
	$a = \frac{1}{(13.1)^5} (0.5 \times 10^6 \text{ eV}) (13)$	8
	2 2×10 11 × 0.2×10 eV 2 4×10 eV	
	E=hf, h= 4.14 x10 eVs.	
	$f = \frac{4 \times 10^6 \text{ eV}}{4.14 \times 10^{-15} \text{ eVs}} \approx 10^9 \text{ s}^{-1} \approx 10^3 \times MHz.$	
	This is consistent with experiment data.	
		8
X		