Estados atómisos del N7

Configuración electrónica del Nº: 15º 25º 2ps

$$\frac{1}{ml=1} \frac{1}{ml-0} \frac{1}{ml=-1}$$

$$\frac{1}{2S(l=0, ml=0)}$$

$$\frac{1}{1S(l=0, ml=0)}$$

Municipality
$$\binom{6}{3} = \frac{6!}{3!(6-3)!} = \frac{654.3!}{3! \, \beta 0!} = \frac{6.5.4}{3-2} = 2.5.2 = 20$$

MLMS	3/2	1/2	-1/2	-3/2
2		(1,1,0)	$(\bar{1},\bar{1},\bar{0})$	
1		(†, ī, -†) (†, ō,ō)	(i,i,-ī) (ī,ō,ō)	1
0	(Ť,ð,-Ĩ)		(ī,ō,-i) (ī,ō,-ī) (t,ō,-ī)	(1,0,-1)
-1		(5,0,-1)	$(\bar{0}, \bar{0}, -\bar{1})$	
-2		(ð,-1,-1)	(5,-1,-1)	
			10 (graph a.c.)	

Tomord to file $M_L = 0$ $M_S = \left[\frac{3}{2}, \frac{1}{2}, -\frac{5}{2}, -\frac{5}{2} \right] \Rightarrow \left[\frac{S}{3} = \frac{3}{2} \right]$ $M_L = \left[0 \right] \Rightarrow \left[\frac{L}{2} = 0 \right]$ $M_J = \left[\frac{3}{2}, \frac{1}{2}, -\frac{1}{2}, -\frac{3}{2} \right] \Rightarrow \left[J = \frac{3}{2} \right]$

* Hoy 4 microstods

28+1

$$M_{s} = \{ \frac{1}{2}, -\frac{1}{2} \} \Rightarrow \{ S = \frac{1}{2} \}$$

$$M_{L} = \{ 2, 1, 0, -1, -2 \} \Rightarrow \{ L = 2 \}$$

MJ= {5/2, 3/2, 1/2, -1/2

 $M_{J_{1}} = \left[\frac{5}{2}, \frac{3}{2}, \frac{1}{2}, -\frac{1}{2}, -\frac{3}{2}\right] = \left[\overline{J}_{1} - \frac{5}{2}\right]$ $M_{J_{2}} = \left[\frac{3}{2}, \frac{1}{2}, -\frac{1}{2}, -\frac{3}{2}\right] = \left[\overline{J}_{2} - \frac{3}{2}\right]$

May 6 minastads

1205/2

Koy 4 munestall

D3/2

$$M_{S} = \{ /_{2}, -/_{2} \} \Rightarrow \{ S = /_{2} \}$$

$$M_{L} = \{ 1, 0, -13 \} \Rightarrow \{ L = 1 \}$$

$$M_{J} = \{ /_{2}, /_{2}, -/_{2}, /_{2}, -/_{2}, -3/_{2} \}$$

$$M_{J} = \{ /_{2}, -/_{2} \} \Rightarrow \{ J_{2} = /_{2} \}$$

$$M_{J} = \{ /_{2}, -/_{2} \} \Rightarrow \{ J_{2} = /_{2} \}$$

$$M_{J} = \{ /_{2}, -/_{2} \} \Rightarrow \{ J_{2} = /_{2} \}$$

Hay 4 mecrostads

Hay 2 microstods

4x 4x 2x 6x 4x

4S32 2P32 2P32 2D32 2D32

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