

# Azote (Z=7)

Energie (eV)

NIST  
Atomic Spectra  
Database

$1s^2 2s^2 2p^2(^3P) 3s^1$

~ 10 eV

$1s^2 2s^2 2p^3$

dég. = 20

Champ moyen

$\Delta H'$

Exact  
non-relativiste

$\Delta H$

Exact  
relativiste

2P

4P

$2P_0$

dég. = 6

$2D_0$

dég. = 10

$4S_0$

dég. = 4

$2P_{3/2}$

$2P_{1/2}$

$4P_{5/2}$

$4P_{3/2}$

$4P_{1/2}$

$2P_{3/2}$

$2P_{1/2}$

$2D_{5/2}$

$2D_{3/2}$

$4S_{3/2}$

10.689980

10.679670

10.335895

10.330094

10.325908

3.5756180

3.5755702

2.3846099

2.3835296

0.

$\Delta H \sim 10^{-3}$  eV

$\Delta H' \sim$  eV

levée de dégénérescence



# Arsenic (Z=33)

NIST  
Atomic Spectra  
Database

