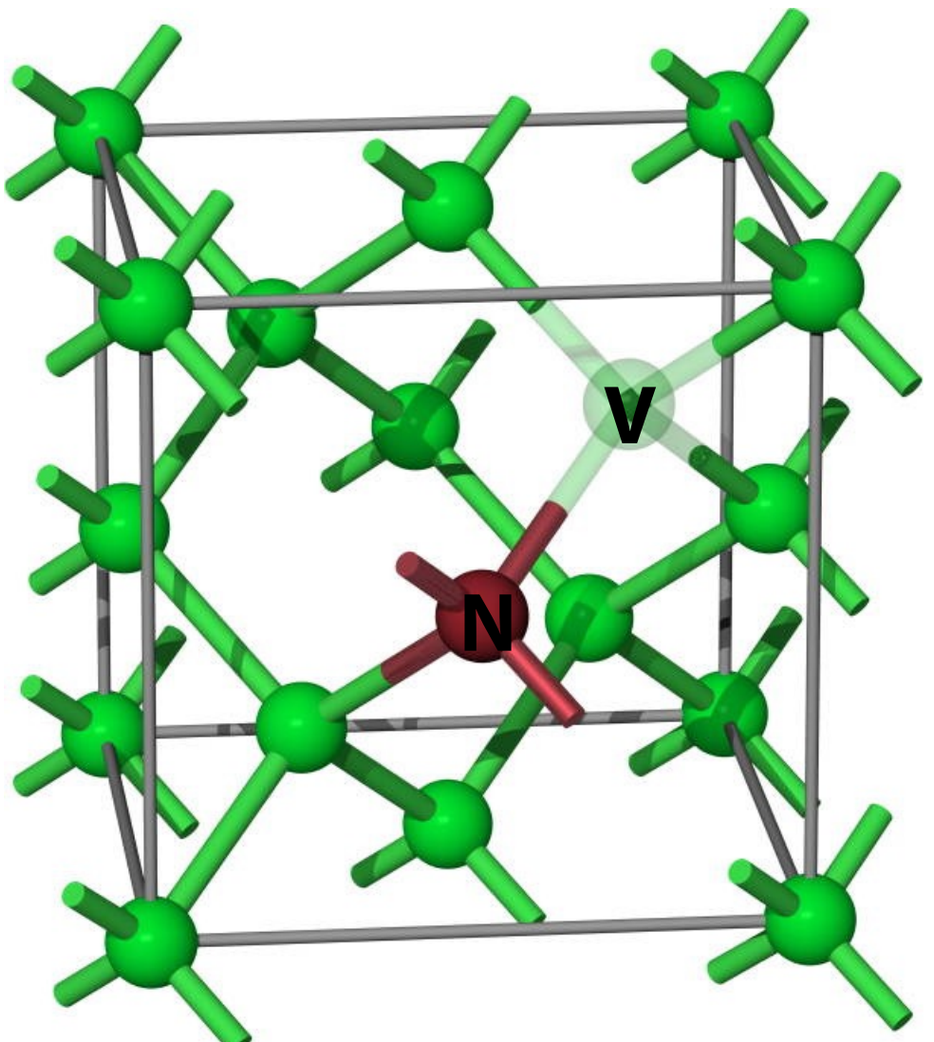
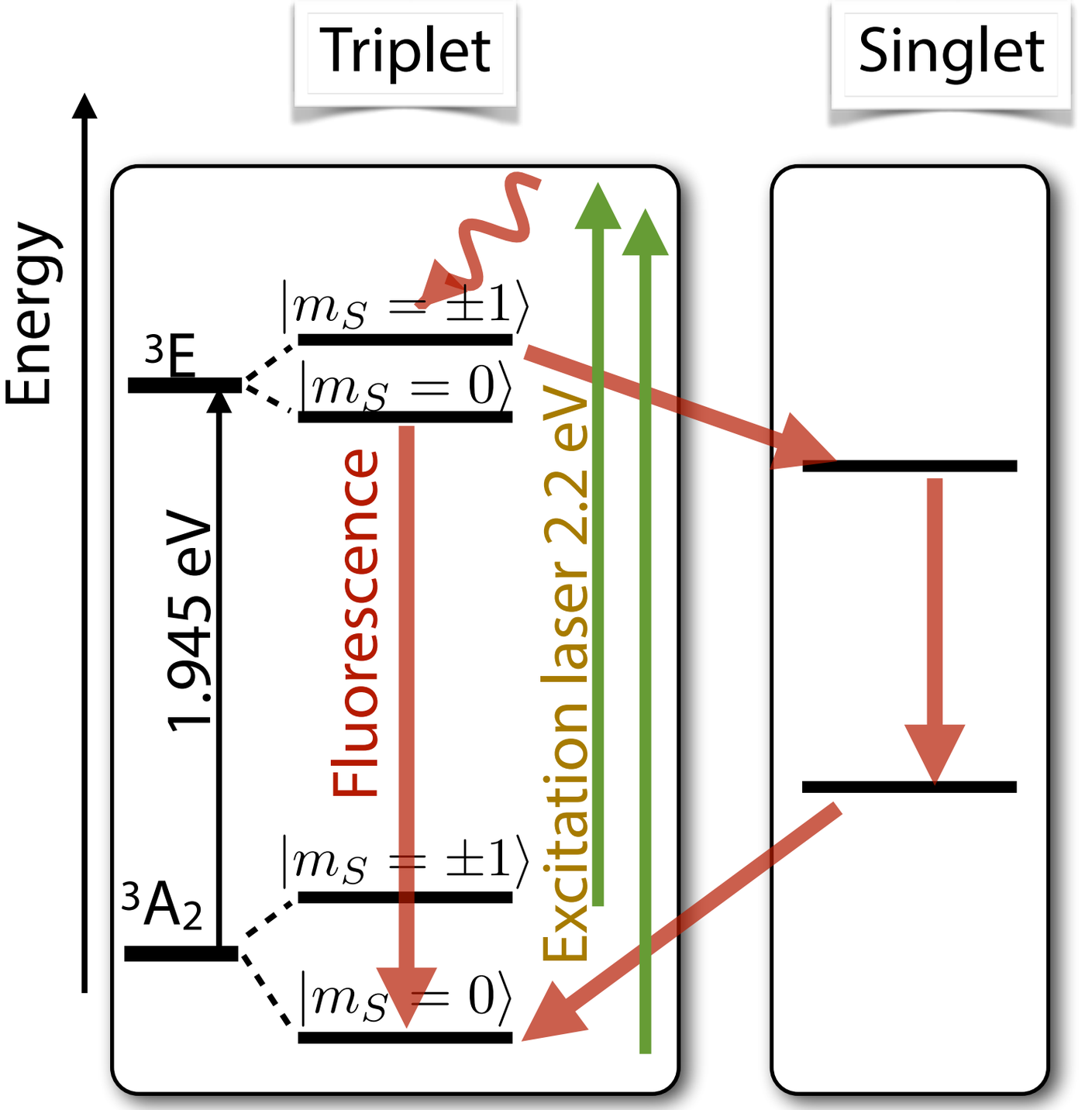

V
N


Triplet
Singlet
Energy
^3E
$|m_S = \pm 1\rangle$
$|m_S = 0\rangle$
1.945 eV
Fluorescence
Excitation laser 2.2 eV
$^3A_2$
$|m_S = \pm 1\rangle$
$|m_S = 0\rangle$