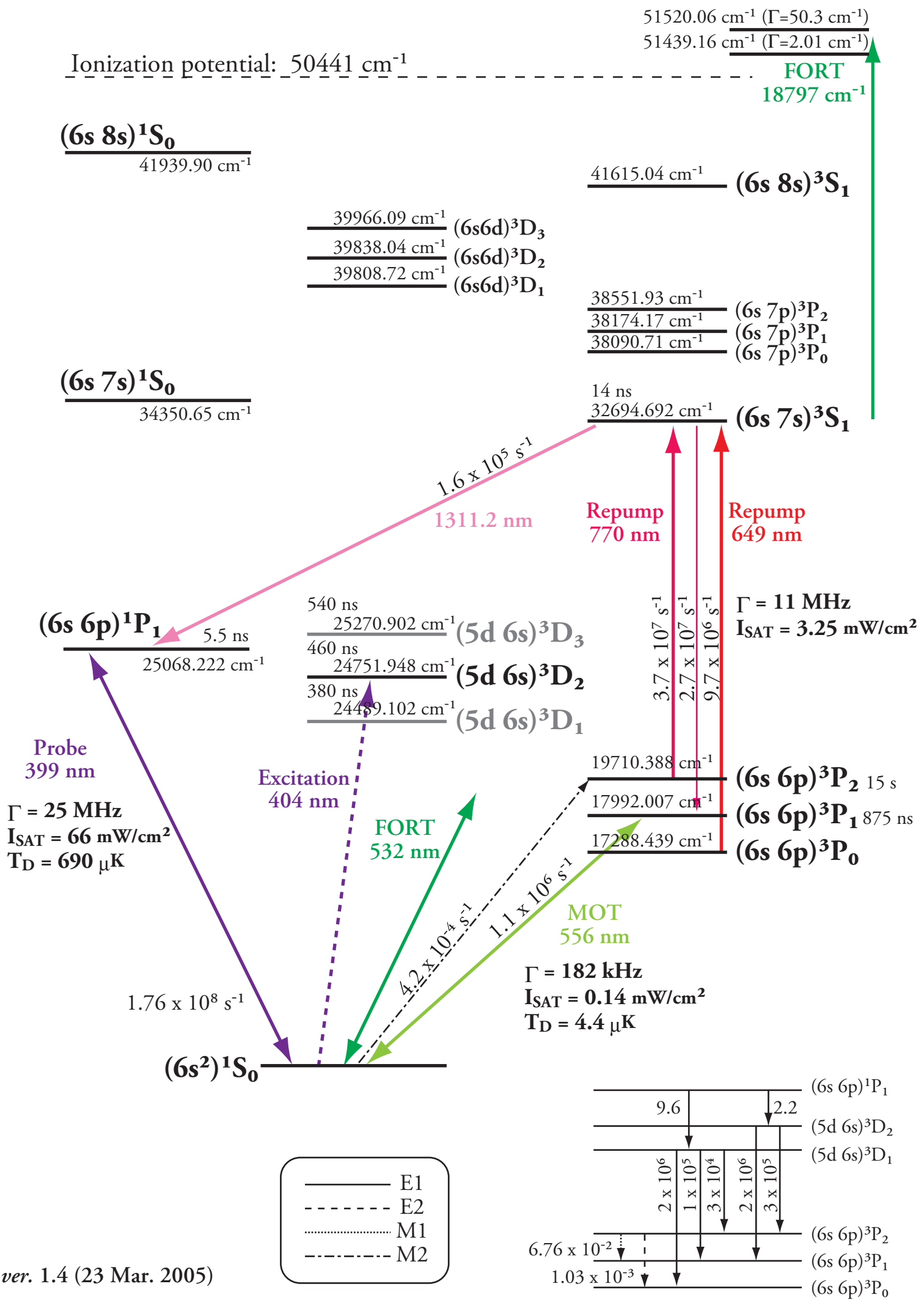
51520.06 cm-1 (Γ=50.3 cm-1)
51439.16 cm-1 (Γ=2.01 cm-1)
Ionization potential: 50441 cm-1
FORT
18797 cm-1
(6s 8s)1S0
41939.90 cm-1
41615.04 cm-1
(6s 8s)3S1
39966.09 cm-1
(6s6d)3D3
39838.04 cm-1
(6s6d)3D2
39808.72 cm-1
(6s6d)3D1
38551.93 cm-1
(6s 7p)3P2
38174.17 cm-1
(6s 7p)3P1
38090.71 cm-1
(6s 7p)3P0
(6s 7s)1S0
34350.65 cm-1
14 ns
32694.692 cm-1
(6s 7s)3S1
1.6 x 105 s-1
1311.2 nm
Repump
770 nm
Repump
649 nm
3.7 x 107 s-1
2.7 x 107 s-1
9.7 x 106 s-1
Γ = 11 MHz
ISAT = 3.25 mW/cm2
(6s 6p)1P1
5.5 ns
25068.222 cm-1
540 ns
25270.902 cm-1
(5d 6s)3D3
460 ns
24751.948 cm-1
(5d 6s)3D2
380 ns
24489.102 cm-1
(5d 6s)3D1
Probe
399 nm
Γ = 25 MHz
ISAT = 66 mW/cm2
TD = 690 μK
Excitation
404 nm
FORT
532 nm
19710.388 cm-1
(6s 6p)3P2 15 s
17992.007 cm-1
(6s 6p)3P1 875 ns
17288.439 cm-1
(6s 6p)3P0
4.2 x 10-4 s-1
1.1 x 106 s-1
MOT
556 nm
Γ = 182 kHz
ISAT = 0.14 mW/cm2
TD = 4.4 μK
1.76 x 108 s-1
(6s2)1S0
(6s 6p)1P1
9.6
2.2
(5d 6s)3D2
(5d 6s)3D1
2 x 106
1 x 105
3 x 104
2 x 106
3 x 105
(6s 6p)3P2
6.76 x 10-2
(6s 6p)3P1
1.03 x 10-3
(6s 6p)3P0
E1
E2
M1
M2
ver. 1.4 (23 Mar. 2005)