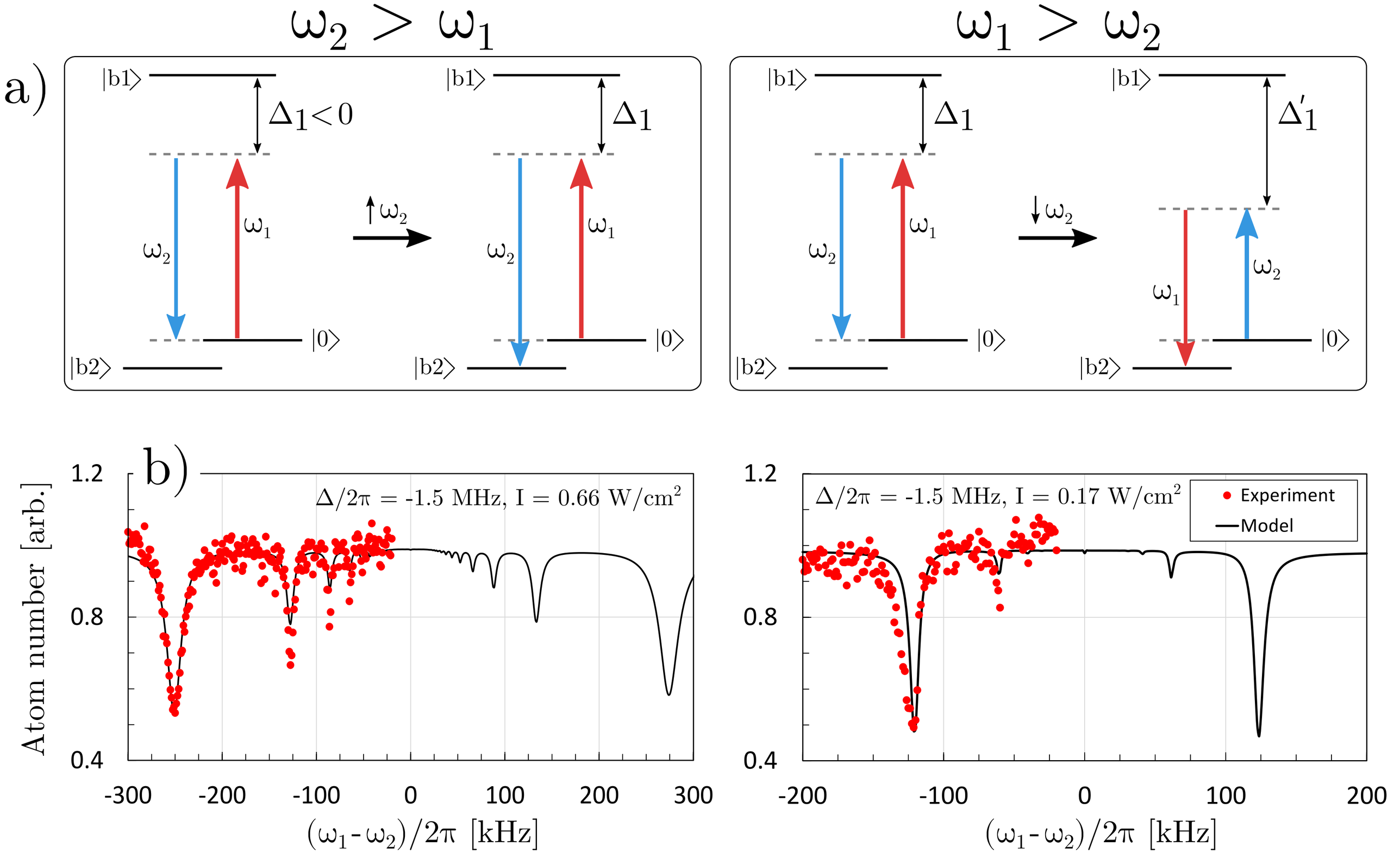
ω2 > ω1
ω1 > ω2
a)
|b1⟩
|b2⟩
|0⟩
Δ1<0
Δ1
Δ'1
ω1
ω2
↑ω2
↓ω2
b)
Δ/2π = -1.5 MHz, I = 0.66 W/cm2
Δ/2π = -1.5 MHz, I = 0.17 W/cm2
Experiment
Model
Atom number [arb.]
(ω1-ω2)/2π [kHz]
1.2
0.8
0.4
-300
-200
-100
0
100
200
300