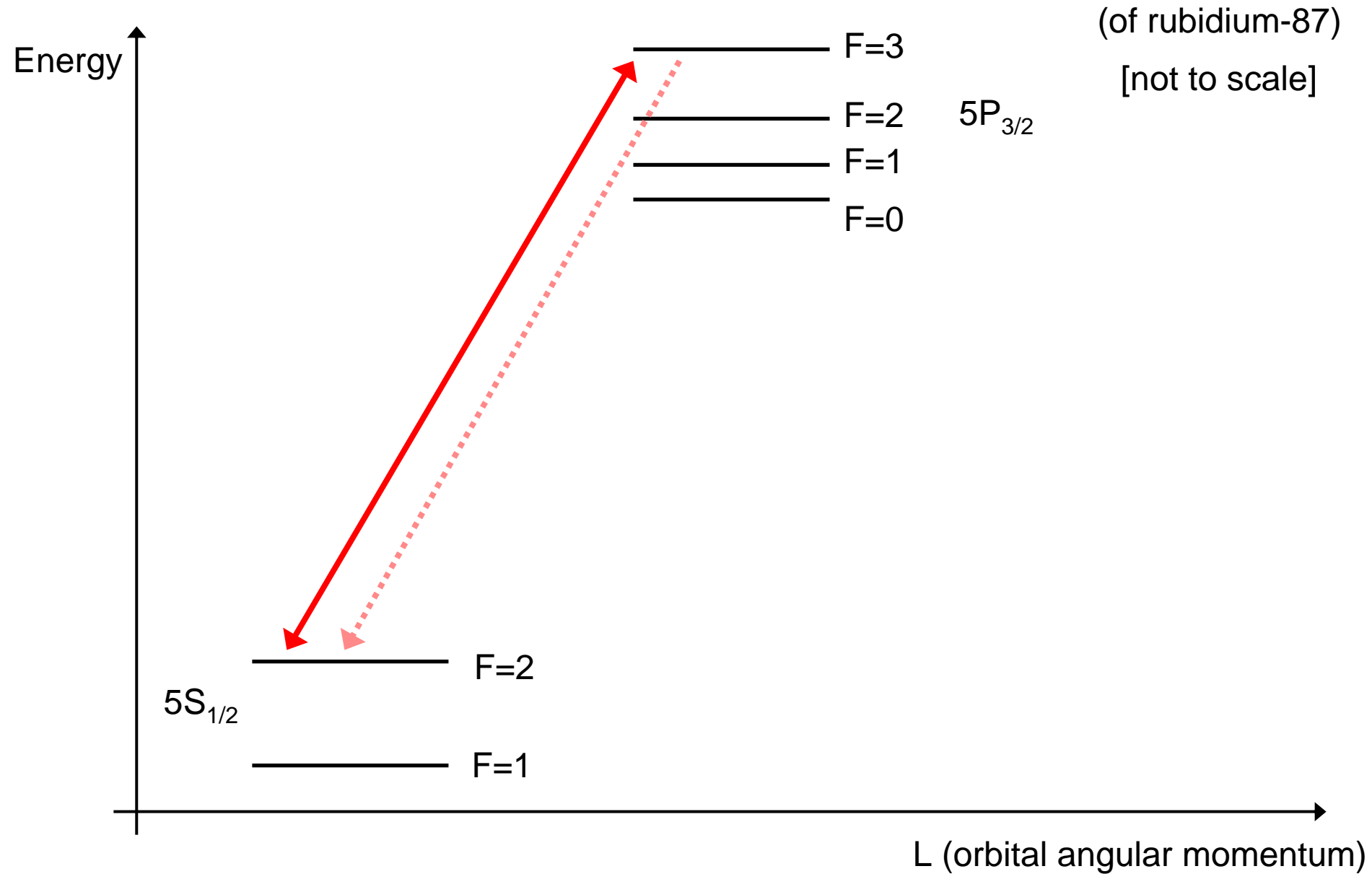




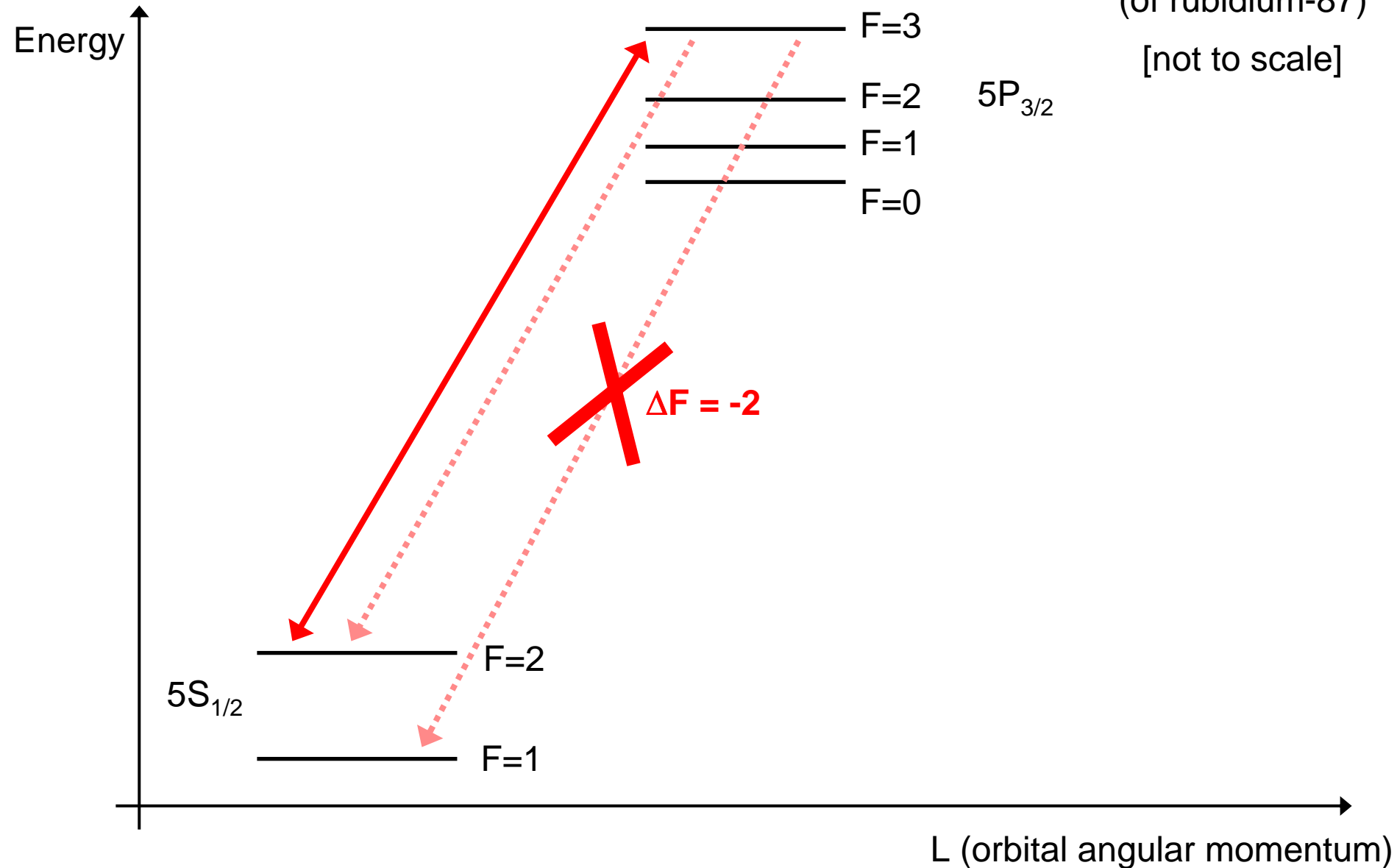
# Why are Alkalis “2-level atoms” ?



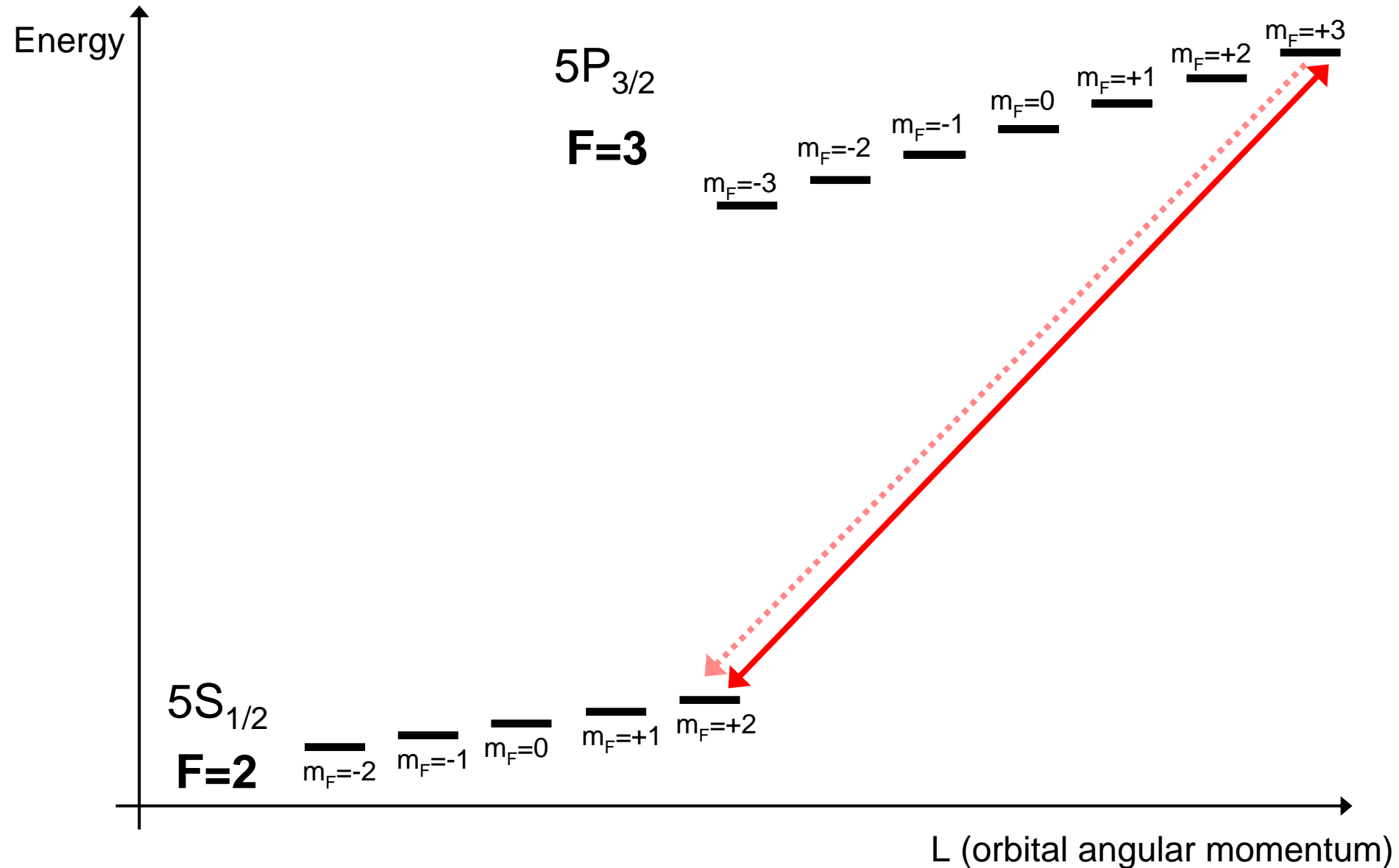
# Why are Alkalis “2-level atoms” ?

(of rubidium-87)

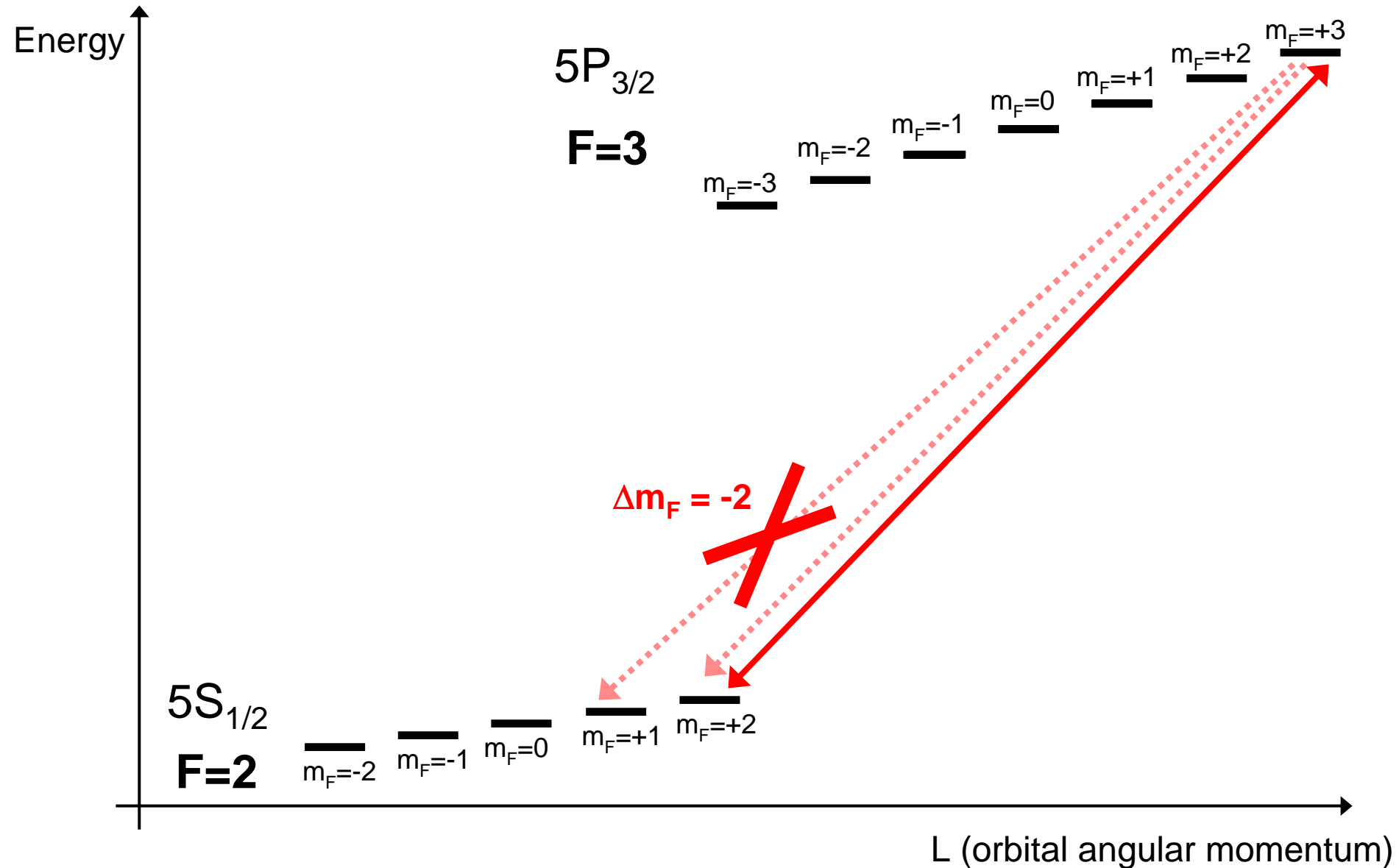
[not to scale]



# The D2 line Cycling Transition



# The D2 line Cycling Transition



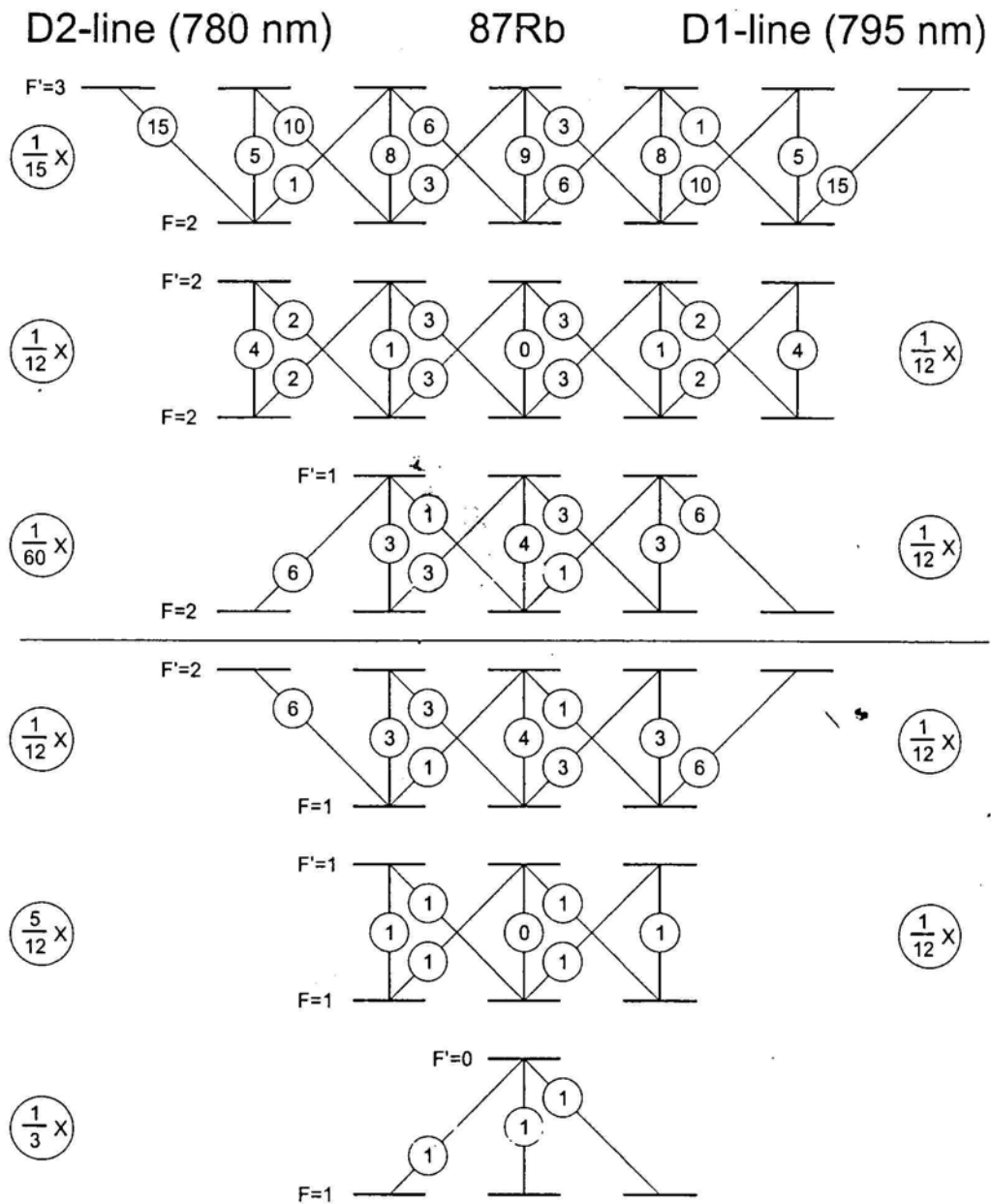


Figure A.2: Branching ratios for <sup>87</sup>Rb. Multiply by the circled number in the left(right) column to get the branching ratio for the D2(D1) line.