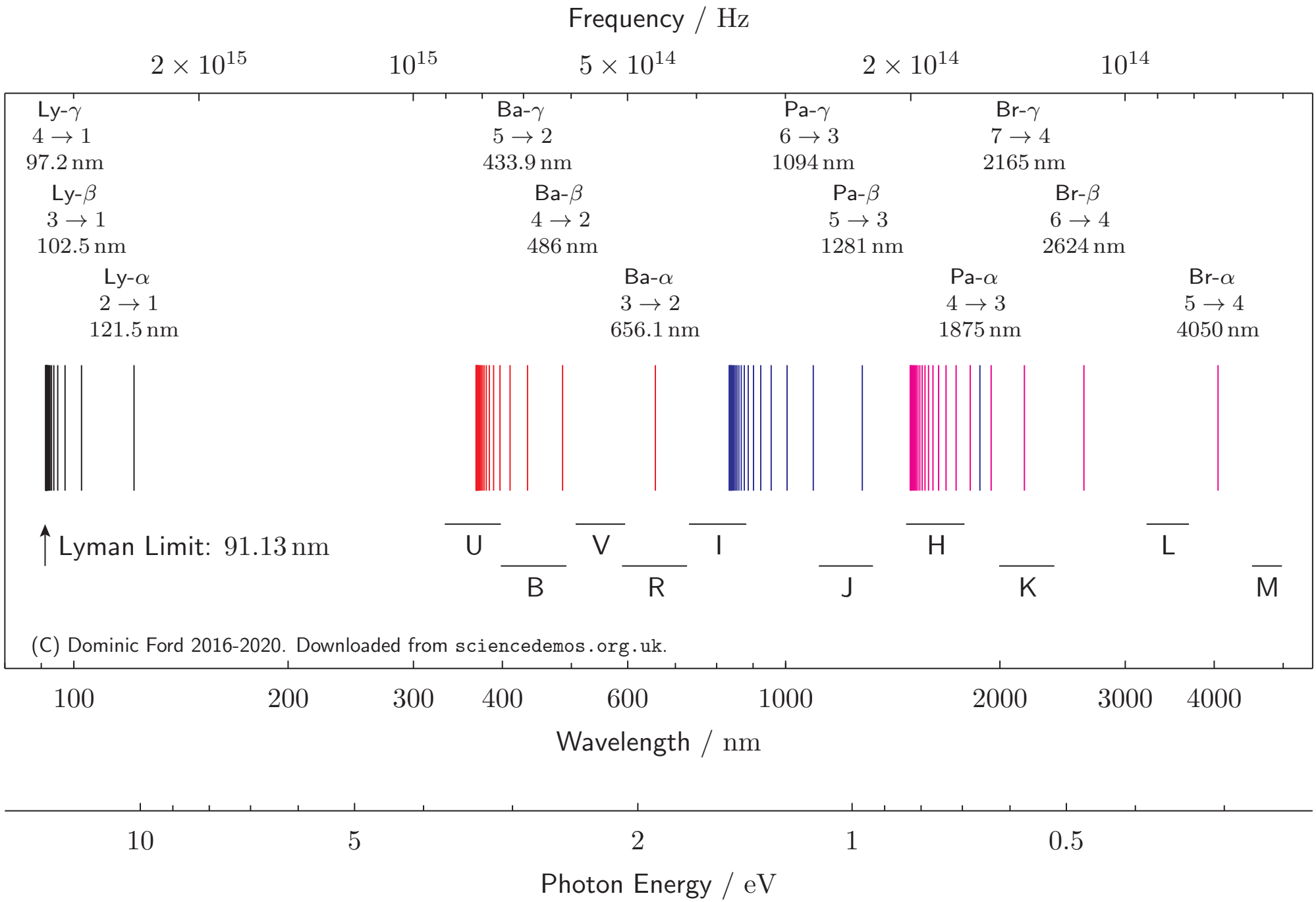
Frequency / Hz
2 × 10^15
10^15
5 × 10^14
2 × 10^14
10^14
Ly-γ
4 → 1
97.2 nm
Ly-β
3 → 1
102.5 nm
Ly-α
2 → 1
121.5 nm
Ba-γ
5 → 2
433.9 nm
Ba-β
4 → 2
486 nm
Ba-α
3 → 2
656.1 nm
Pa-γ
6 → 3
1094 nm
Pa-β
5 → 3
1281 nm
Pa-α
4 → 3
1875 nm
Br-γ
7 → 4
2165 nm
Br-β
6 → 4
2624 nm
Br-α
5 → 4
4050 nm
Lyman Limit: 91.13 nm
U
B
V
R
I
J
H
K
L
M
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100
200
300
400
600
1000
2000
3000
4000
Wavelength / nm
10
5
2
1
0.5
Photon Energy / eV