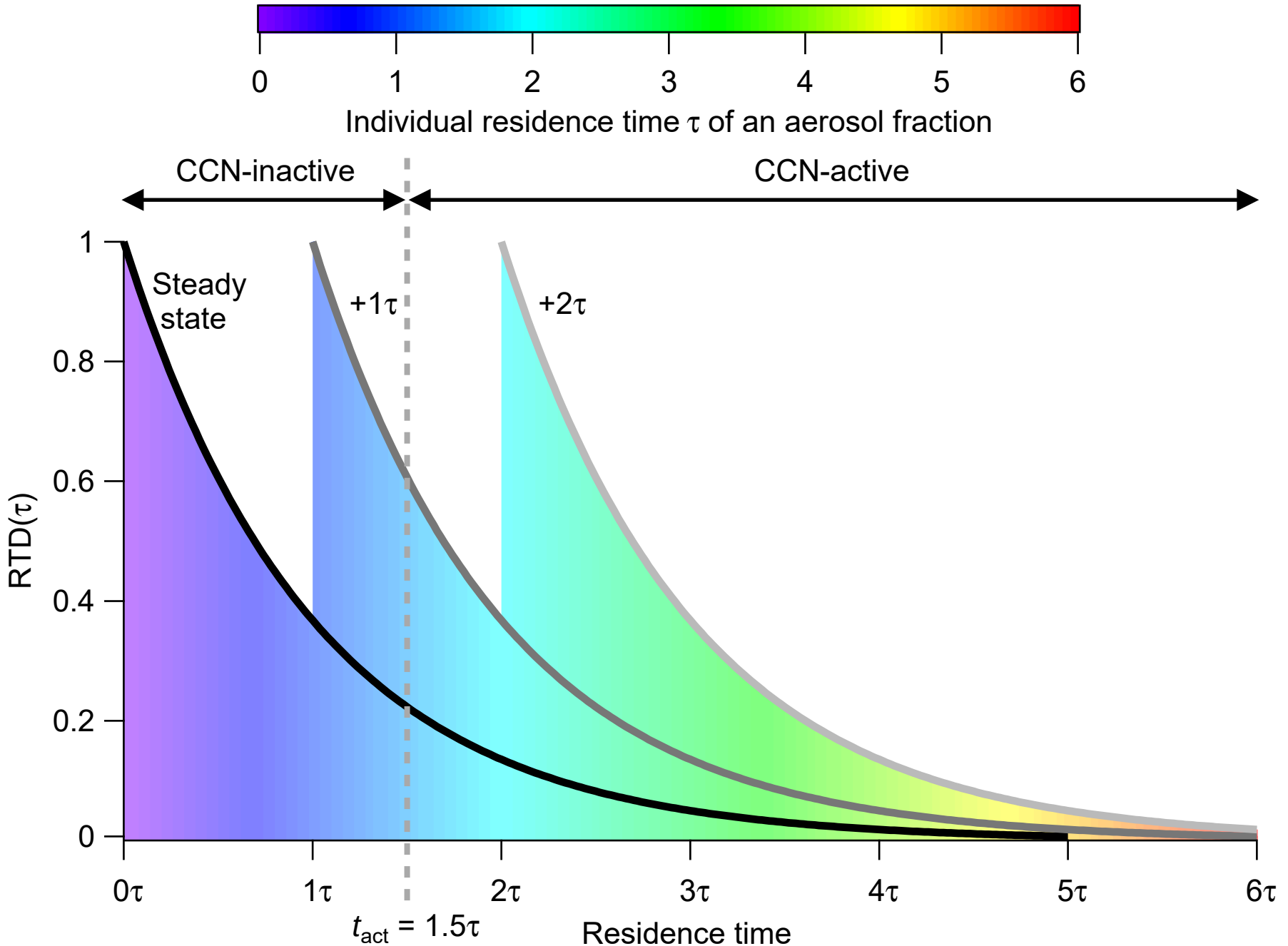
0
1
2
3
4
5
6
Individual residence time τ of an aerosol fraction
CCN-inactive
CCN-active
1
0.8
0.6
0.4
0.2
0
RTD(τ)
Steady state
+1τ
+2τ
0τ
1τ
2τ
3τ
4τ
5τ
6τ
t_{act} = 1.5τ
Residence time