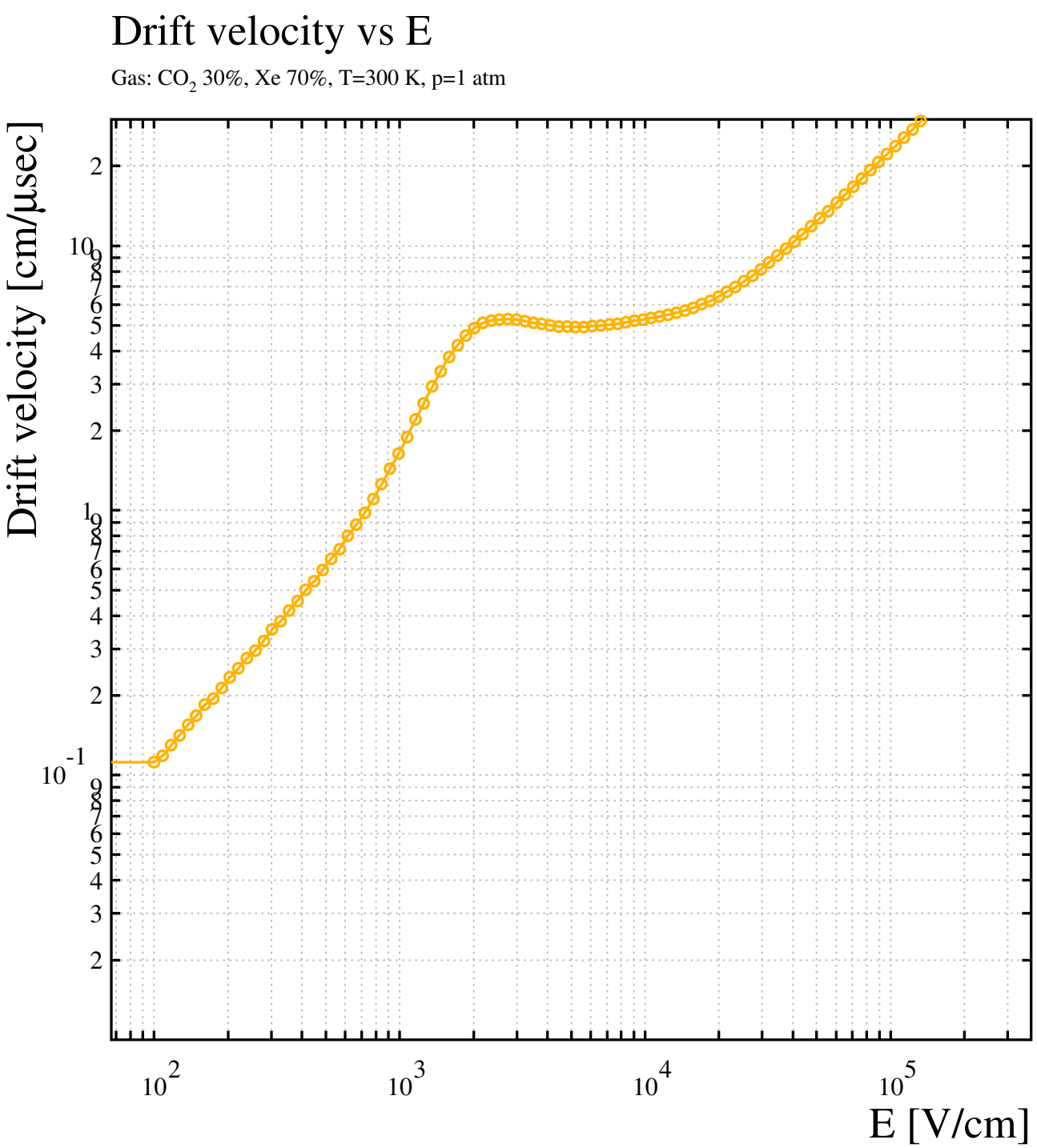
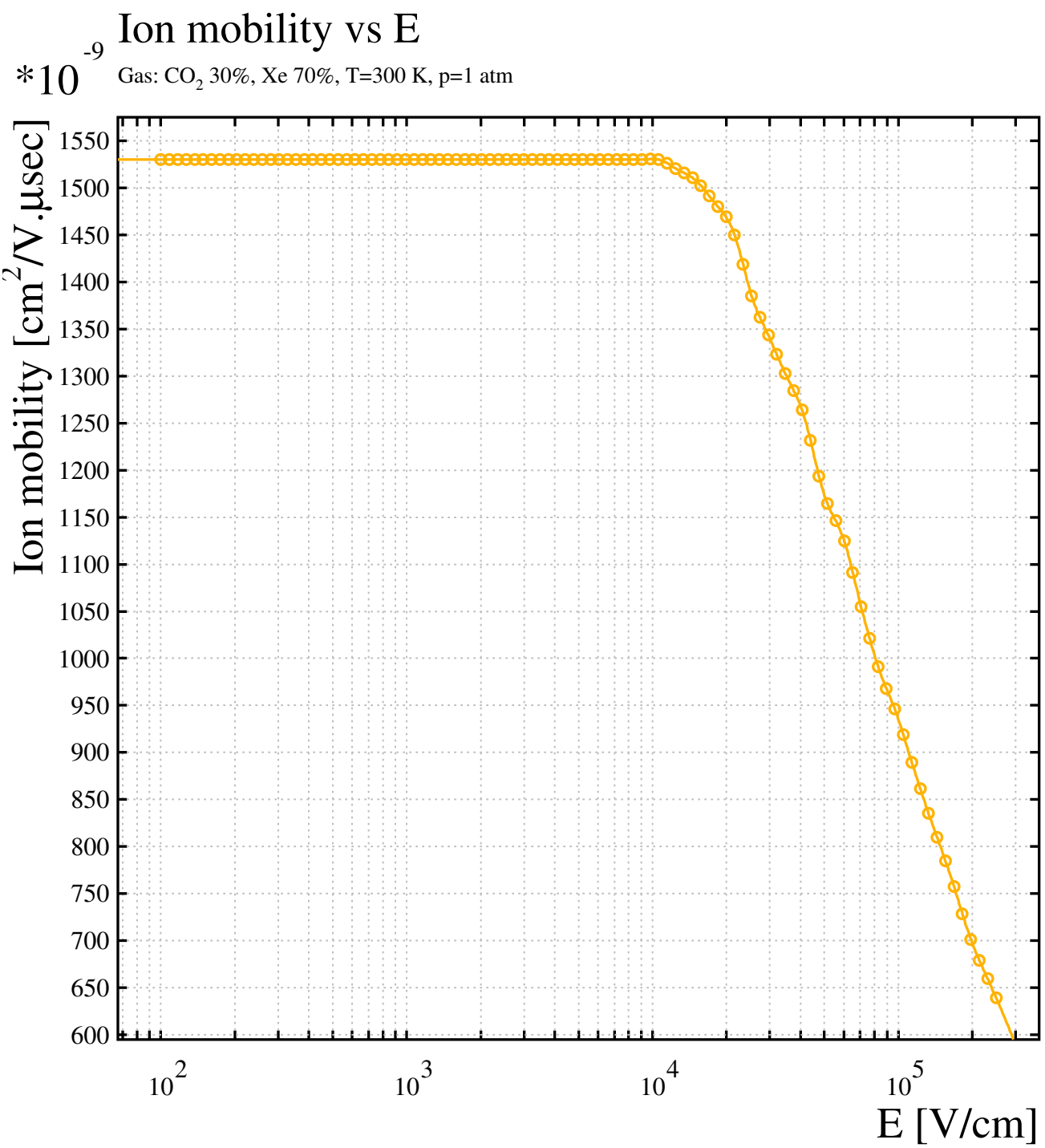
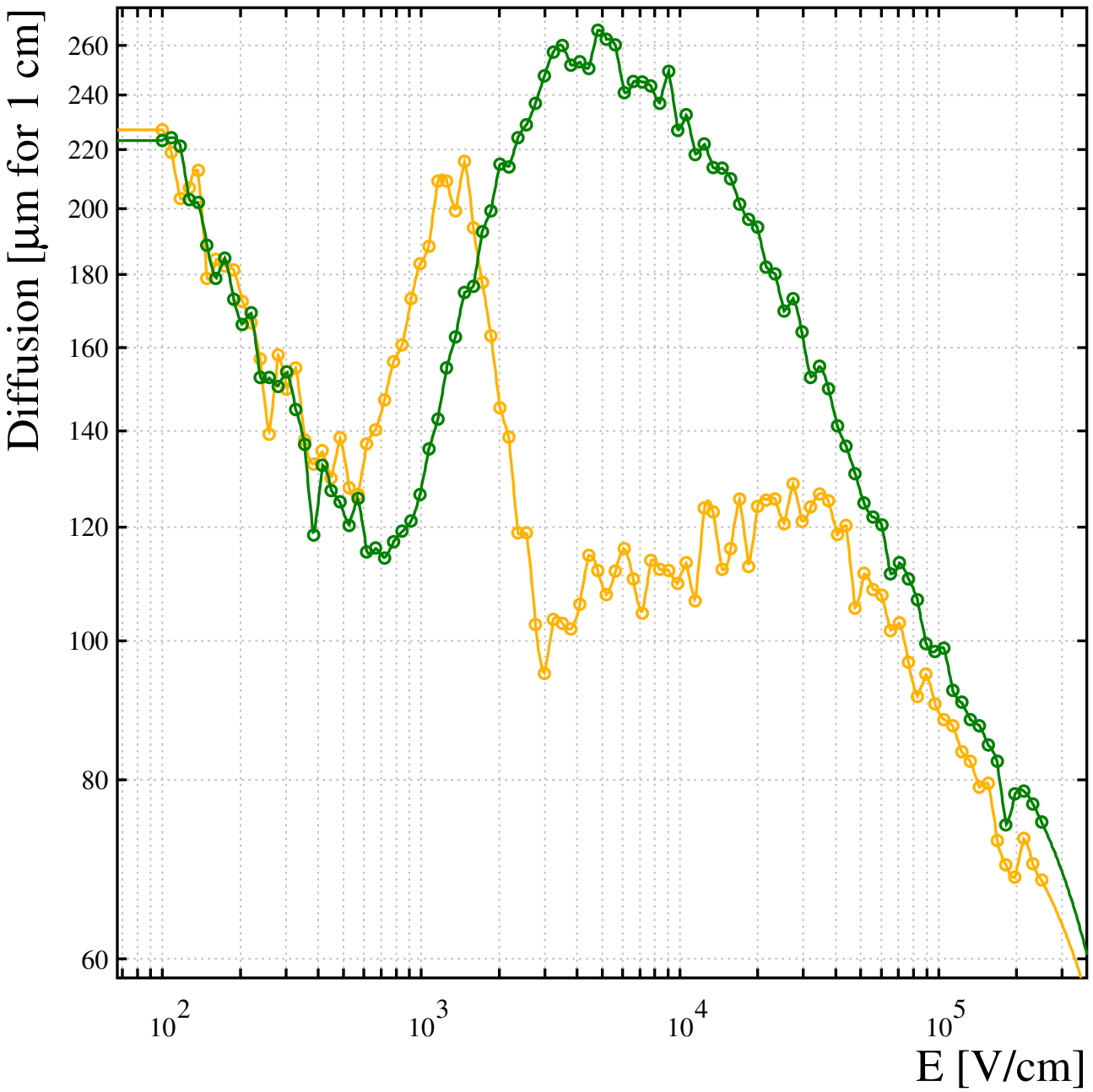
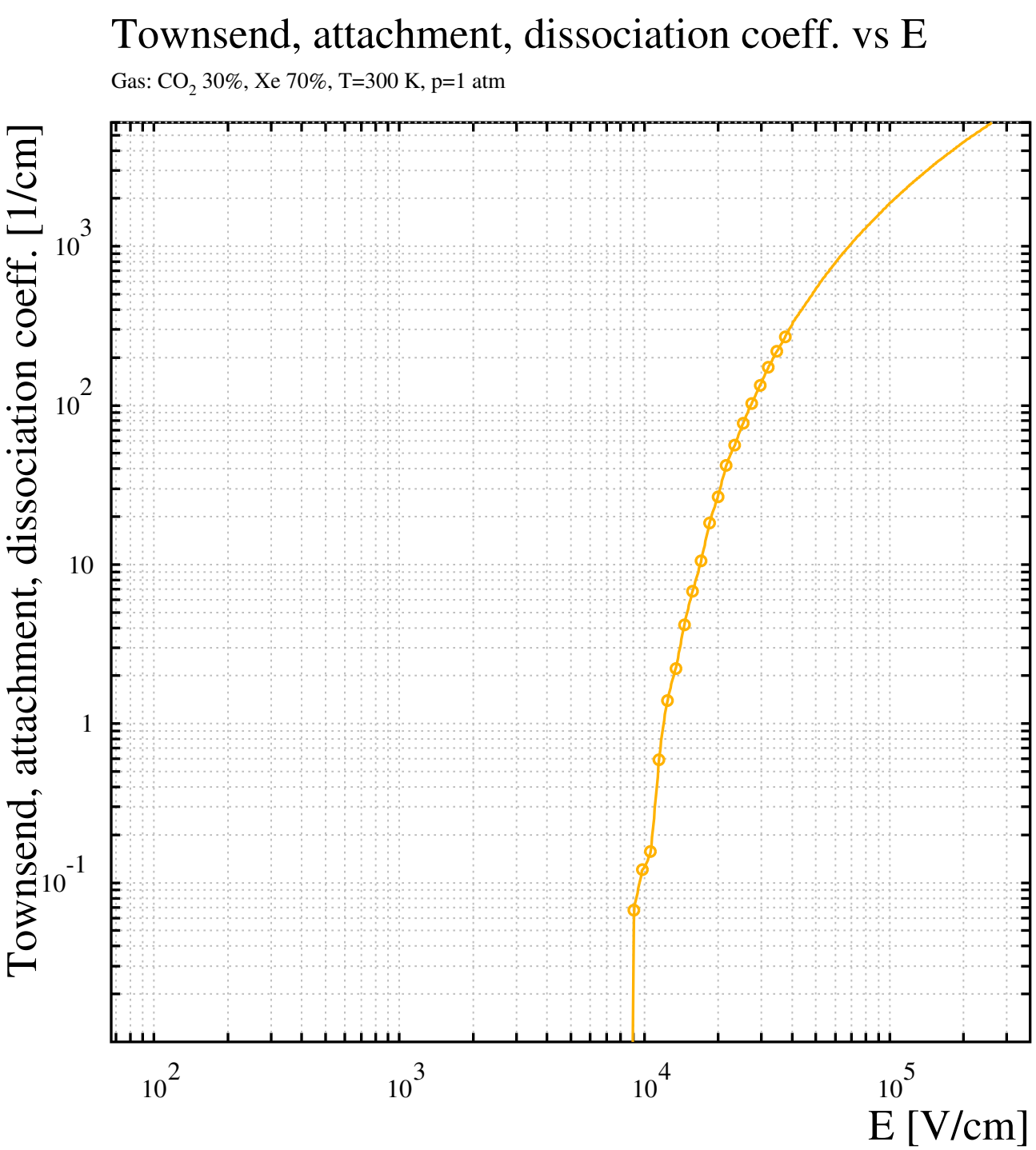

Drift velocity vs E
Gas: CO2 30%, Xe 70%, T=300 K, p=1 atm
Drift velocity [cm/µsec]
E [V/cm]
10^-1
1
10
10^2
10^3
10^4
10^5


Ion mobility vs E
Gas: CO2 30%, Xe 70%, T=300 K, p=1 atm
*10-9
Ion mobility [cm2/V.µsec]
1550
1500
1450
1400
1350
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
750
700
650
600
10^2
10^3
10^4
10^5
E [V/cm]

Diffusion coefficients vs E

Gas: CO_2 30%, Xe 70%, T=300 K, p=1 atm




Townsend, attachment, dissociation coeff. vs E
Gas: CO2 30%, Xe 70%, T=300 K, p=1 atm
Townsend, attachment, dissociation coeff. [1/cm]
10^3
10^2
10
1
10^-1
10^2
10^3
10^4
10^5
E [V/cm]