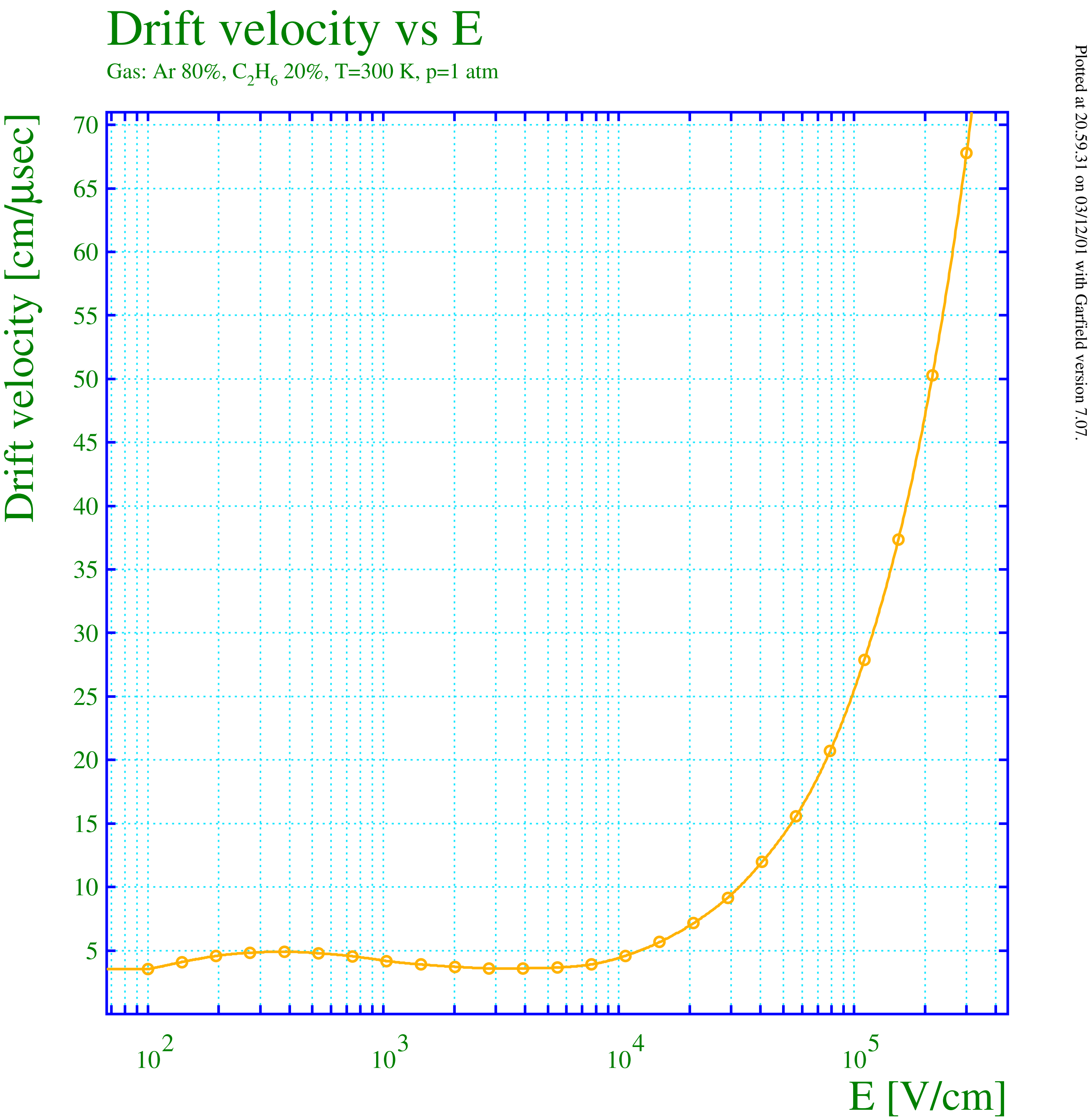
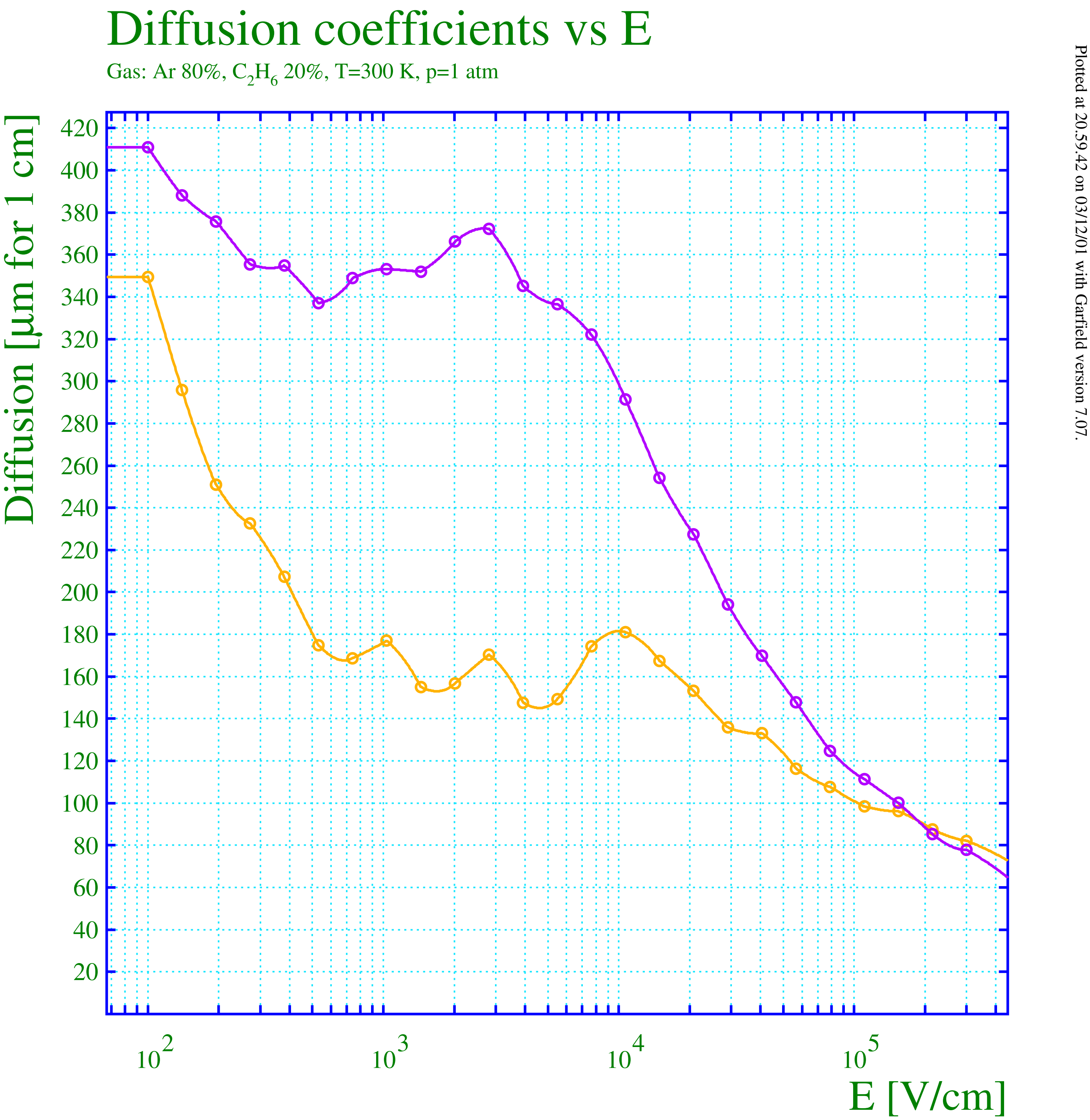
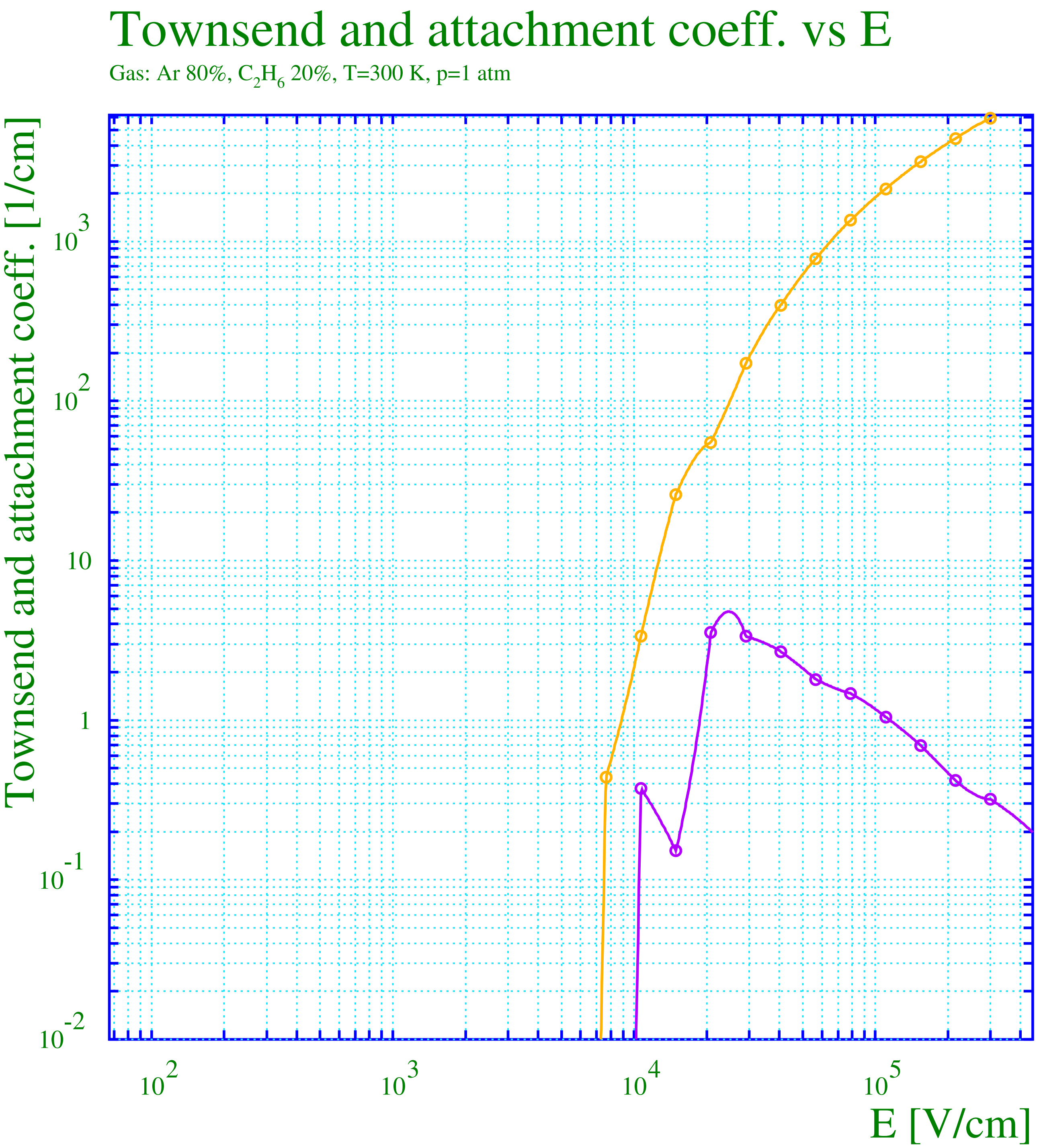
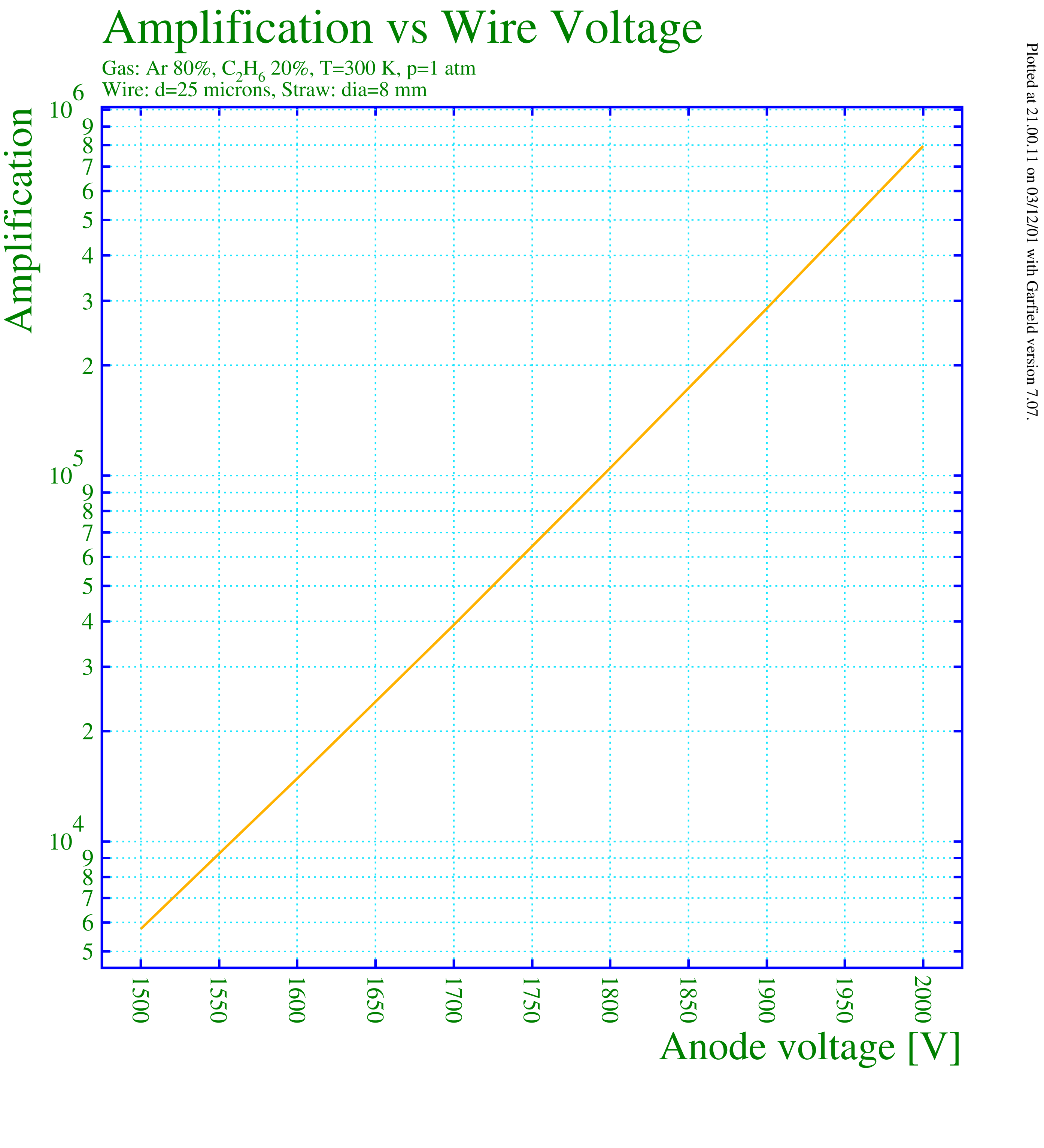

Drift velocity vs E
Gas: Ar 80%, C_2H_6 20%, T=300 K, p=1 atm
Drift velocity [cm/μsec]
70
65
60
55
50
45
40
35
30
25
20
15
10
5
10^2
10^3
10^4
10^5
E [V/cm]
Plotted at 20.59.31 on 03/12/01 with Garfield version 7.07.



Diffusion coefficients vs E
Gas: Ar 80%, C_2H_6 20%, T=300 K, p=1 atm
Diffusion [μm for 1 cm]
420
400
380
360
340
320
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
10^2
10^3
10^4
10^5
E [V/cm]
Plotted at 20.59.42 on 03/12/01 with Garfield version 7.07.



Plotted at 20.59.51 on 03/12/01 with Garfield version 7.07.



Amplification vs Wire Voltage
Gas: Ar 80%, C_2H_6 20%, T=300 K, p=1 atm
Wire: d=25 microns, Straw: dia=8 mm
Amplification
Anode voltage [V]
10^6
10^5
10^4
1500
1550
1600
1650
1700
1750
1800
1850
1900
1950
2000
Plotted at 21.00.11 on 03/12/01 with Garfield version 7.07.