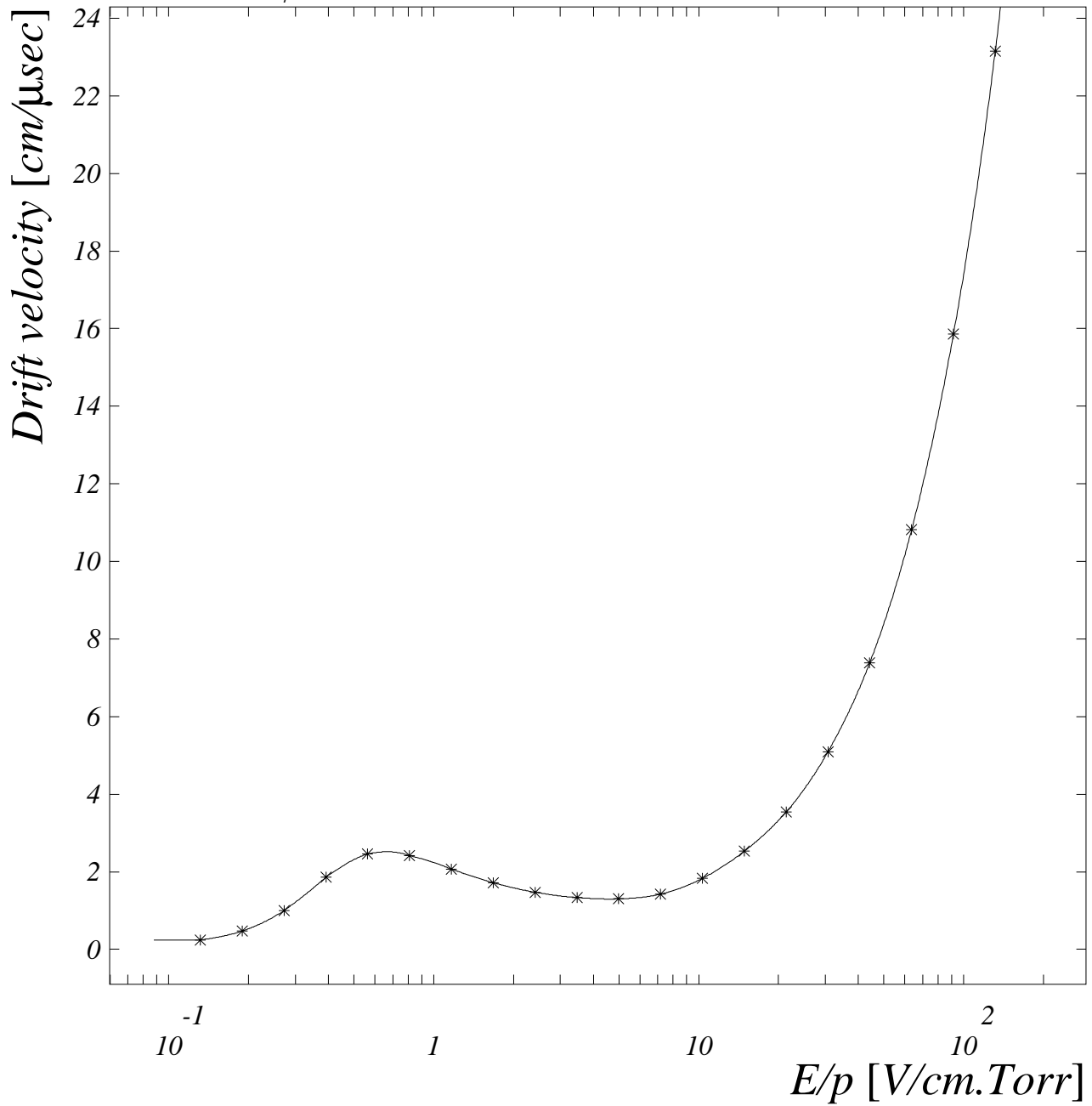


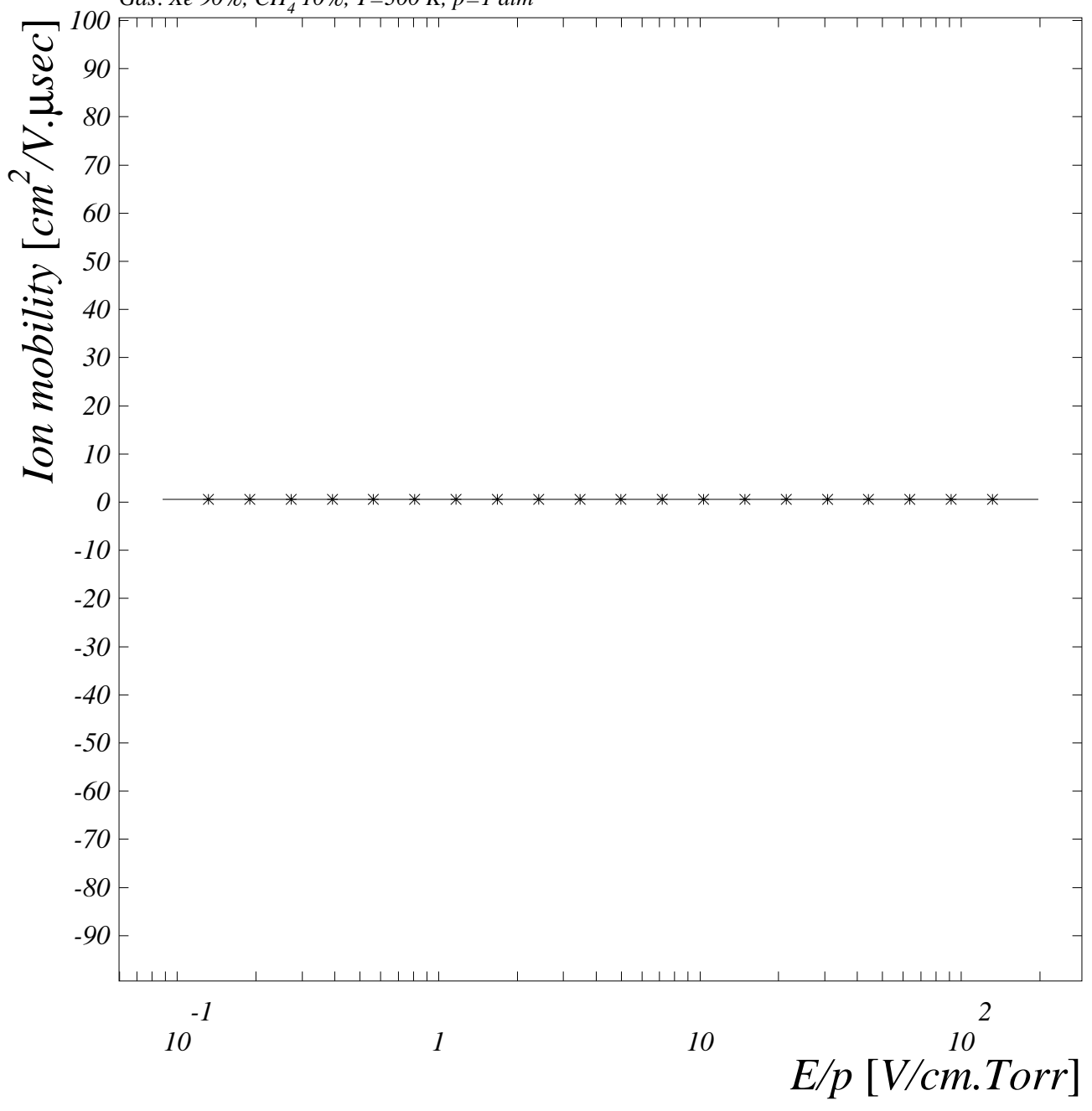
# Drift velocity vs $E/p$

Gas: Xe 90%, CH<sub>4</sub> 10%, T=300 K, p=1 atm



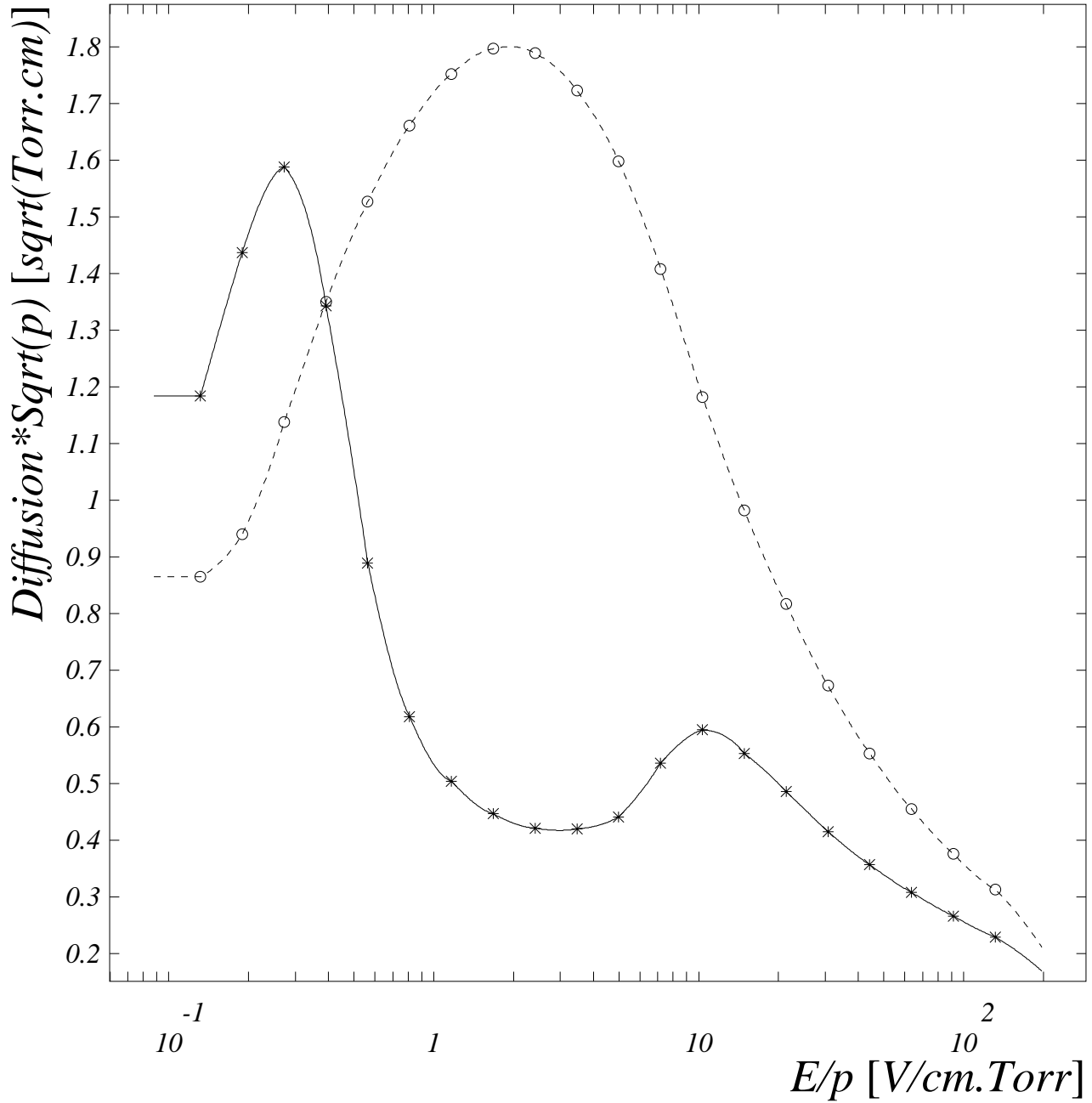
# <sup>-6</sup> Ion mobility vs E/p

Gas: Xe 90%, CH<sub>4</sub> 10%, T=300 K, p=1 atm



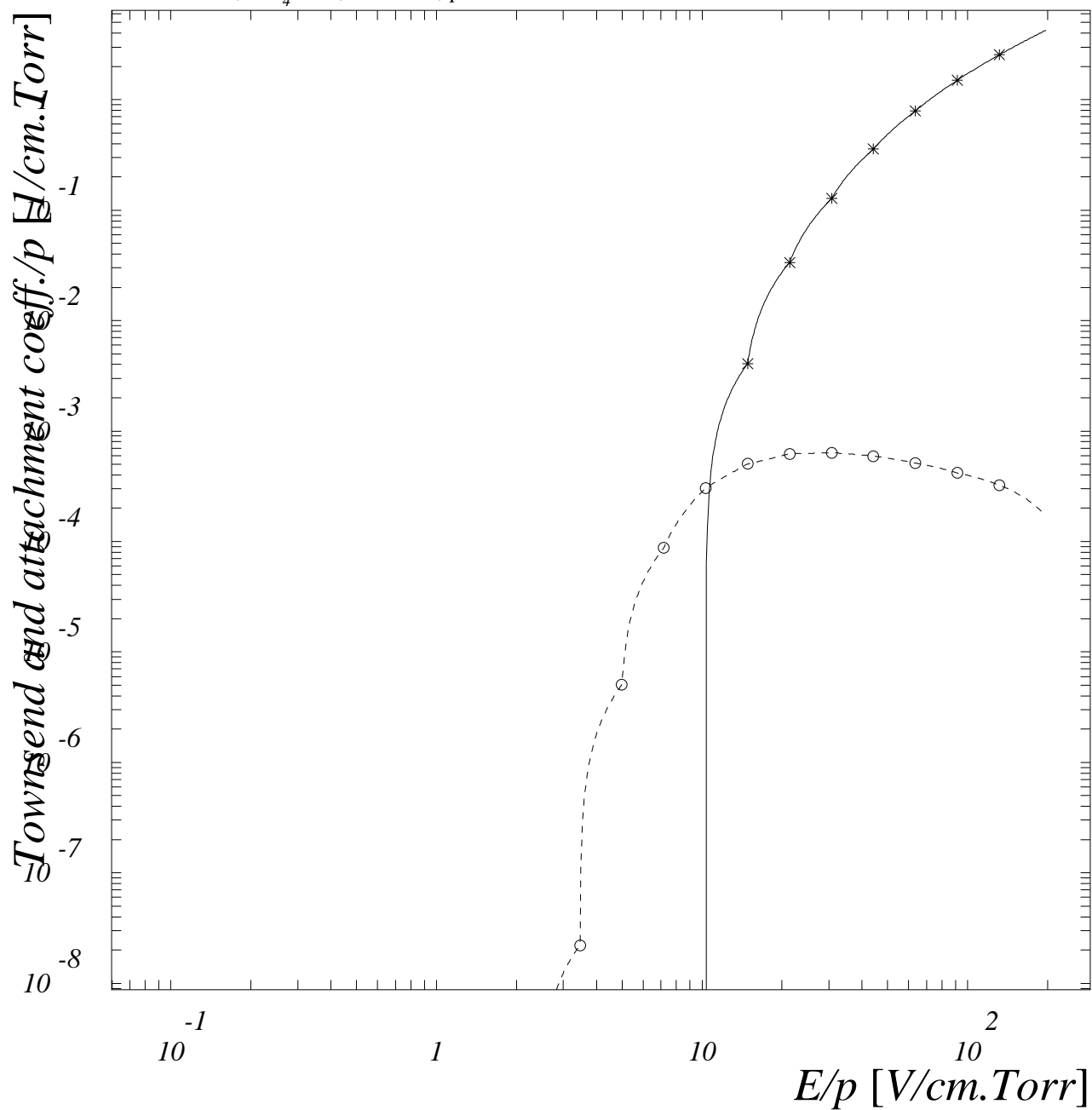
# Diffusion coefficients vs $E/p$

Gas: Xe 90%, CH<sub>4</sub> 10%, T=300 K, p=1 atm



# Townsend and attachment coeff. vs $E/p$

Gas: Xe 90%, CH<sub>4</sub> 10%, T=300 K, p=1 atm



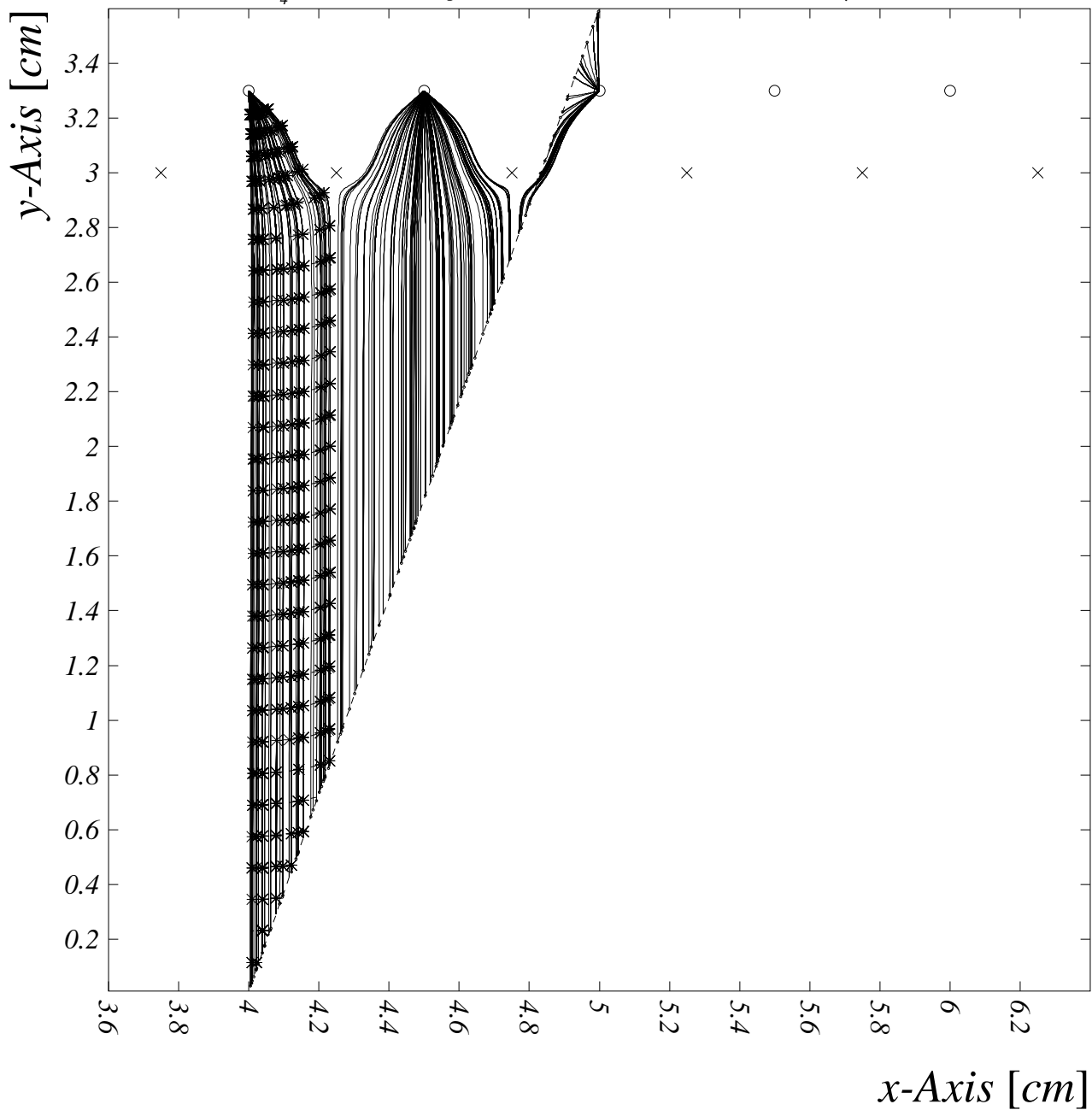
# Electron drift lines from a track

Cell: TEC

Gas: Xe 90%, CH<sub>4</sub> 10%, T=300 K, p=1 atm

Particle:  $\pi^-$ ,  $E_{kin}=2$  GeV

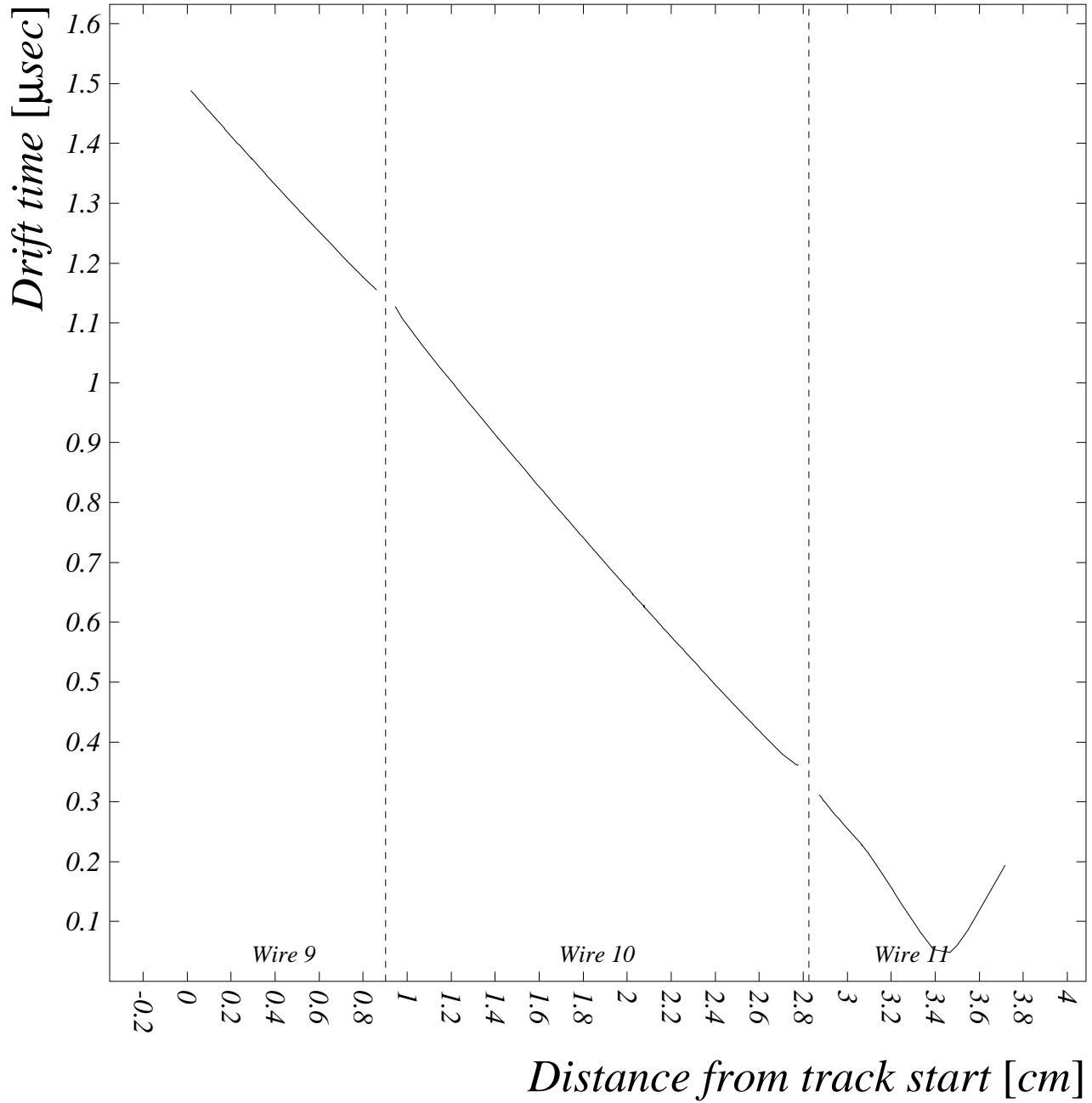
Isochrone interval: 0.05 [ $\mu$ sec]



# Drift time

Cell: TEC

Gas: Xe 90%, CH<sub>4</sub> 10%, T=300 K, p=1 atm



# Electron drift lines from a wire

Cell: TEC

Gas: Xe 90%, CH<sub>4</sub> 10%, T=300 K, p=1 atm

Isochrone interval: 0.05 [μsec]

