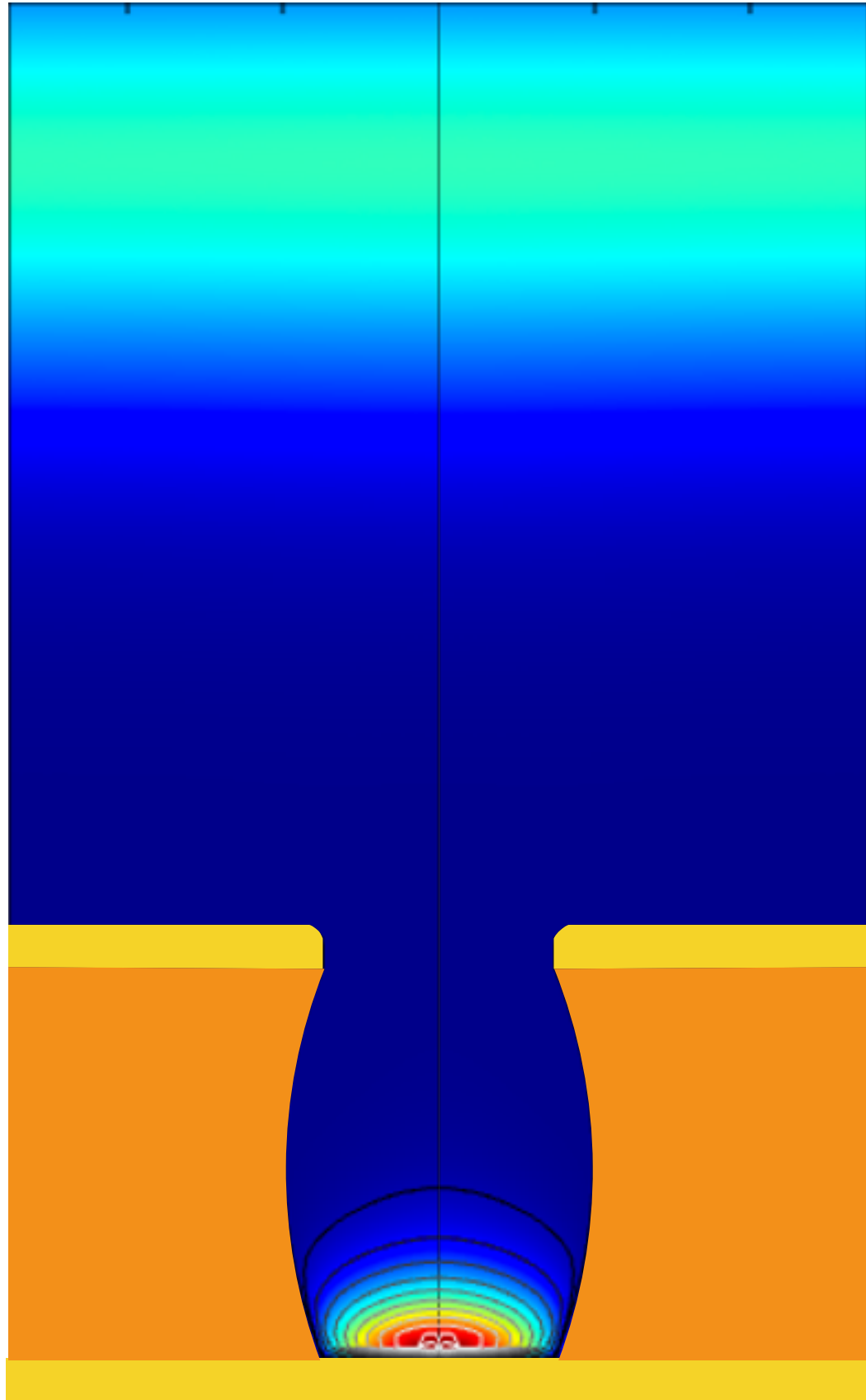


MM transparency with COMSOL

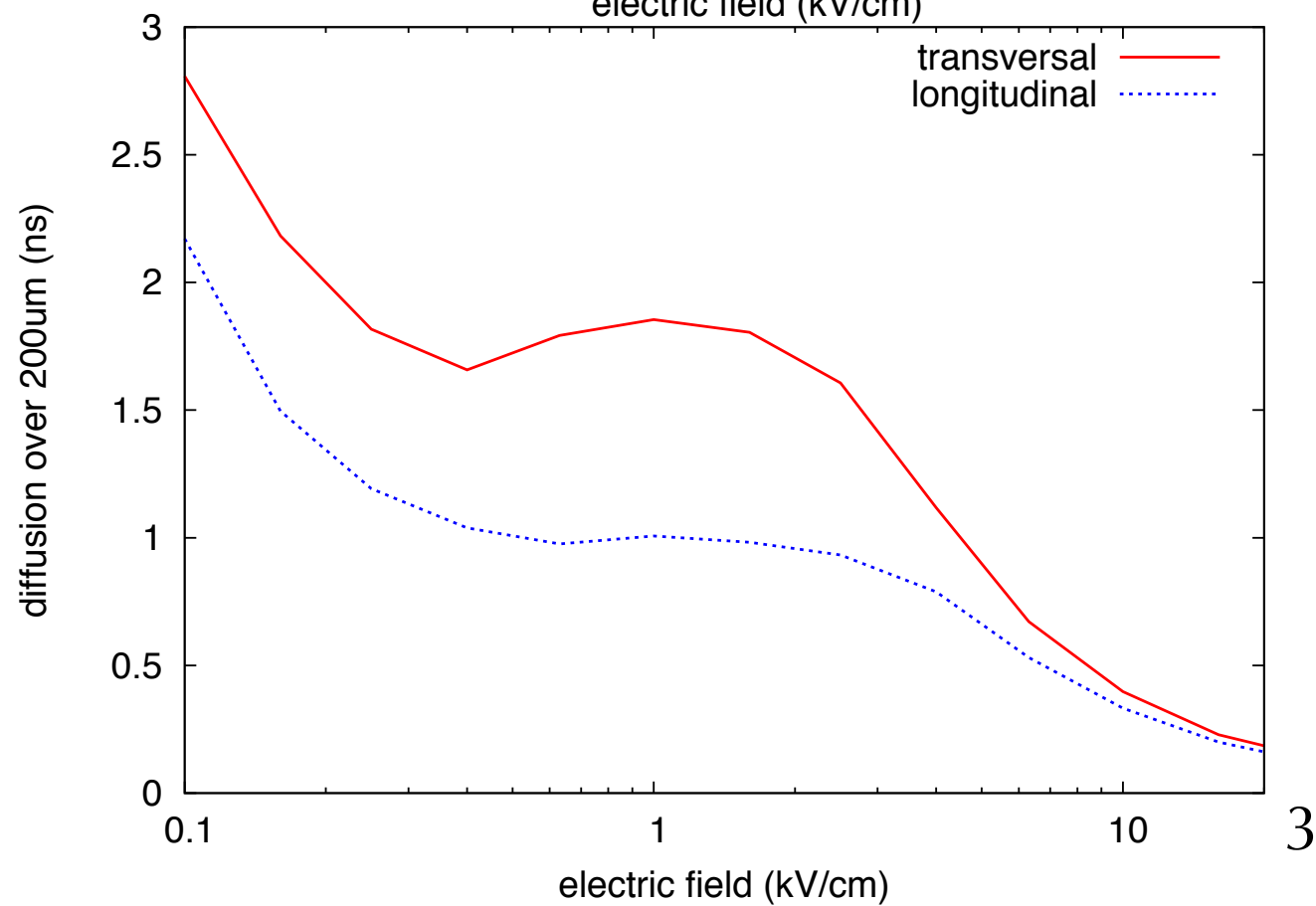
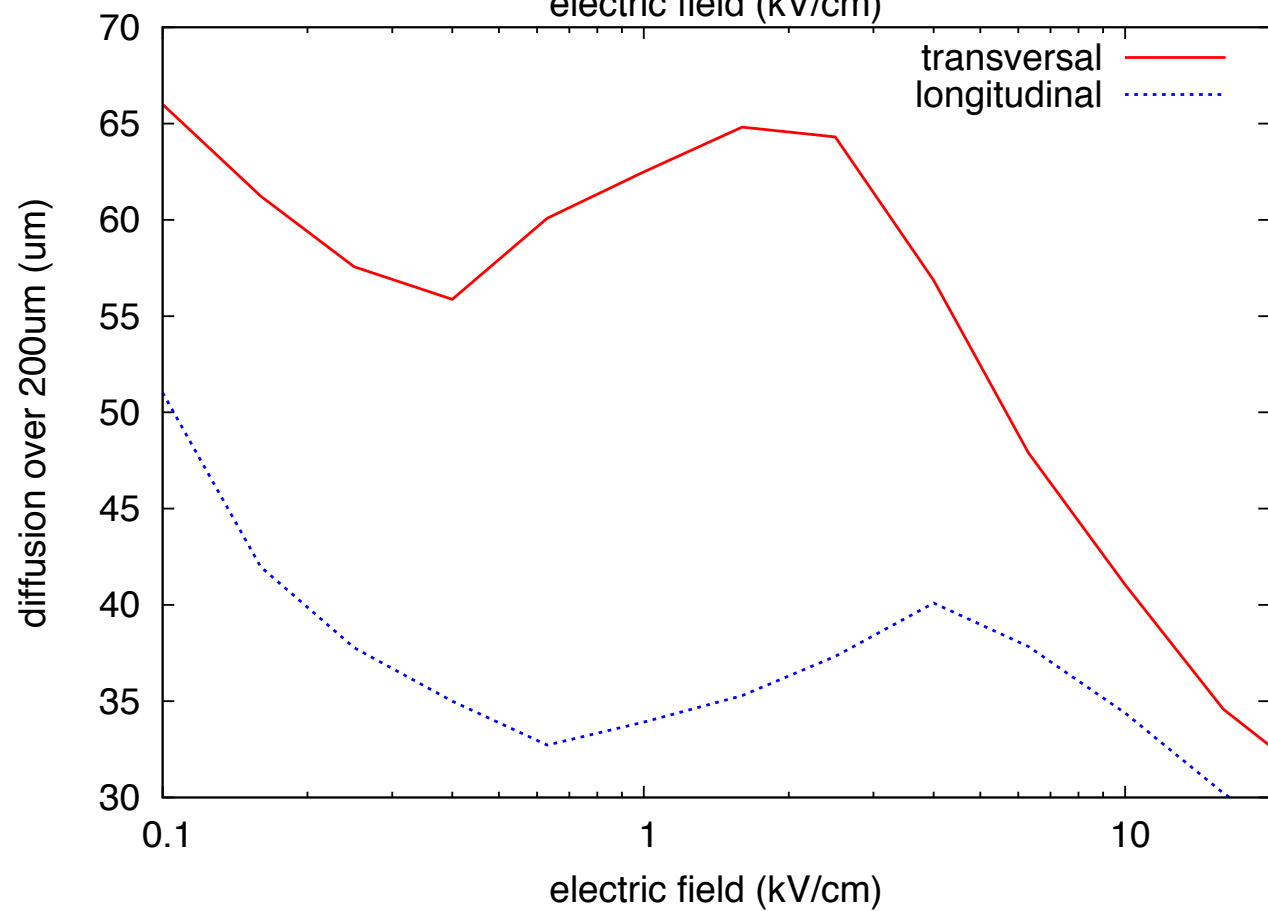
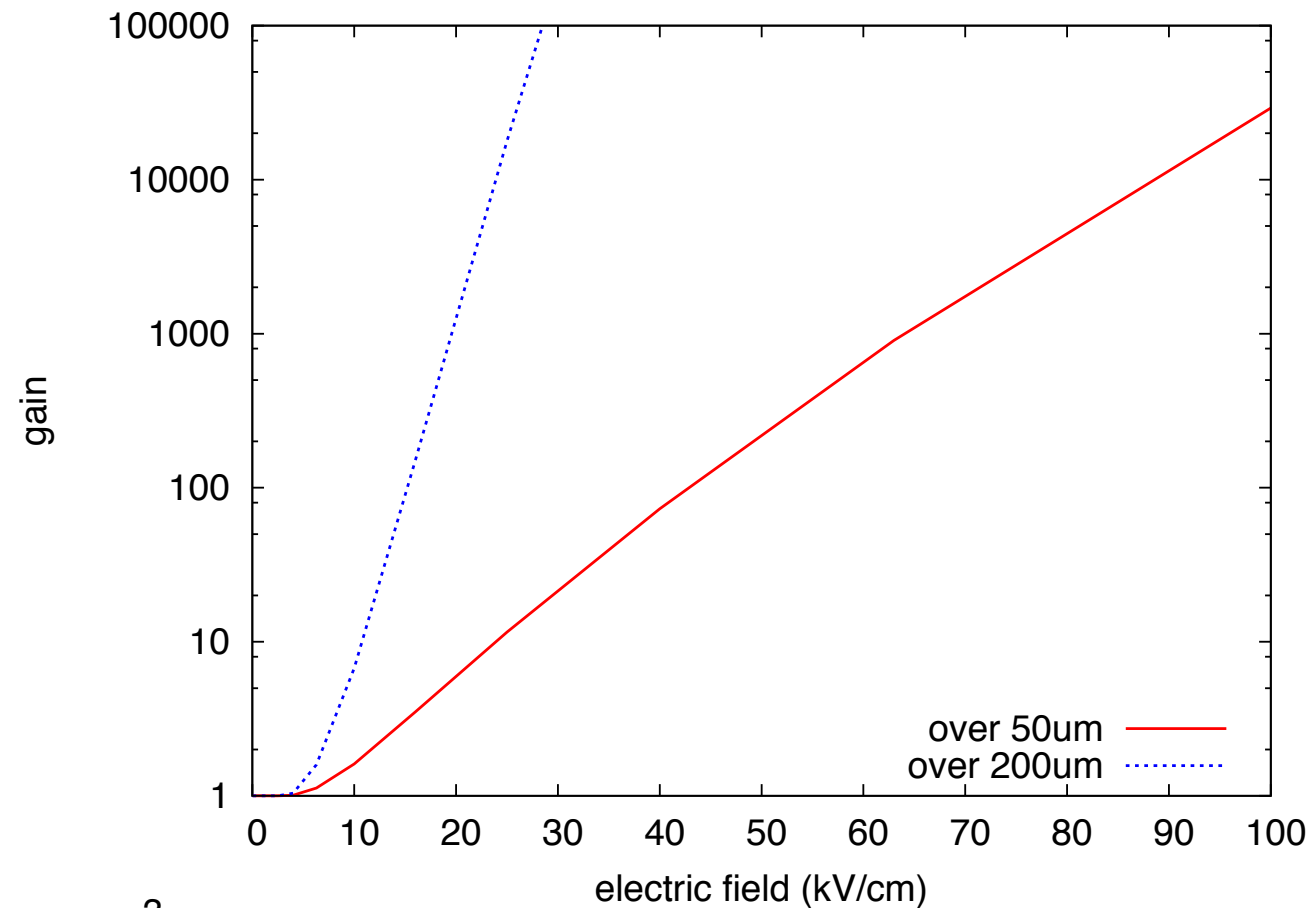
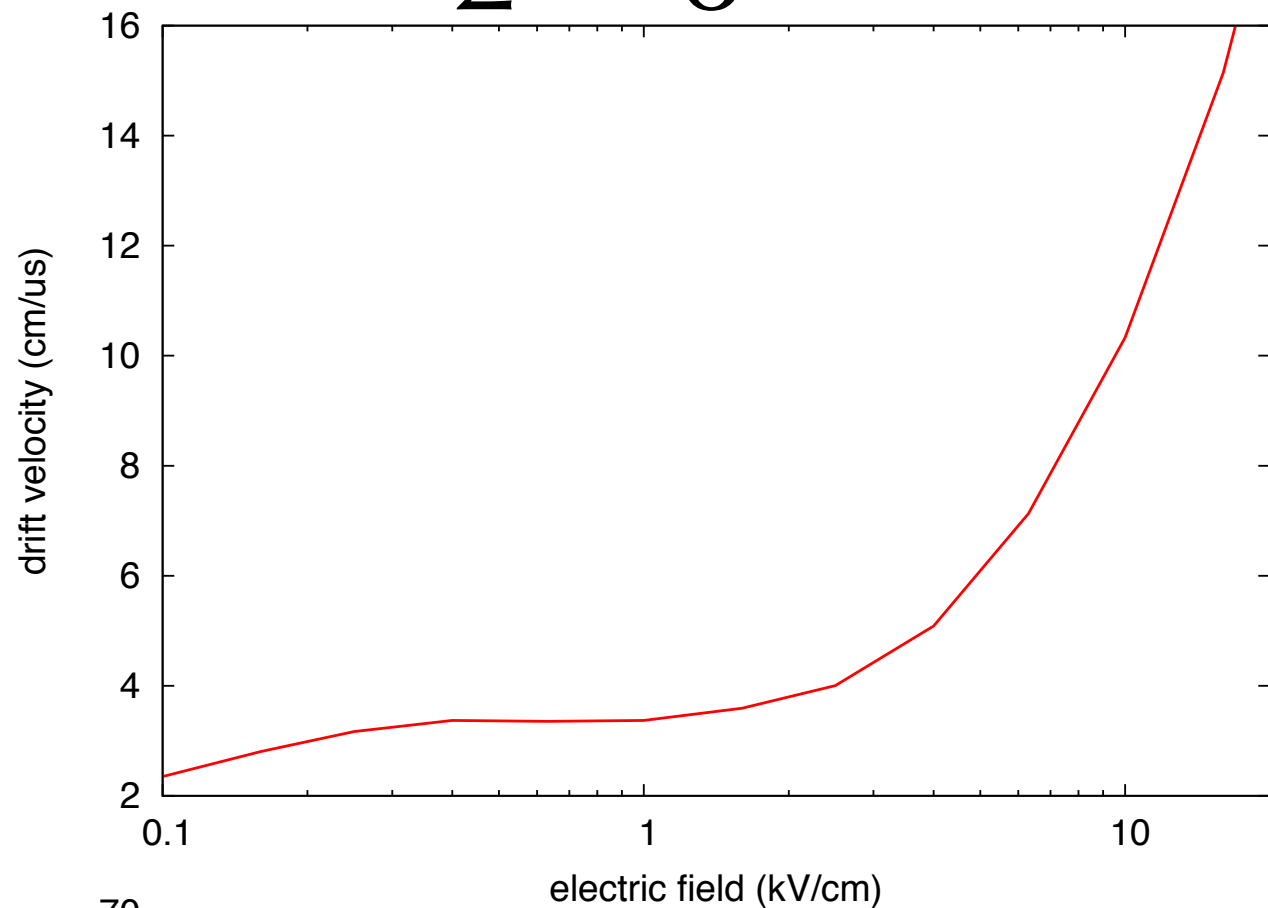
Filippo Resnati

Parameters in COMSOL

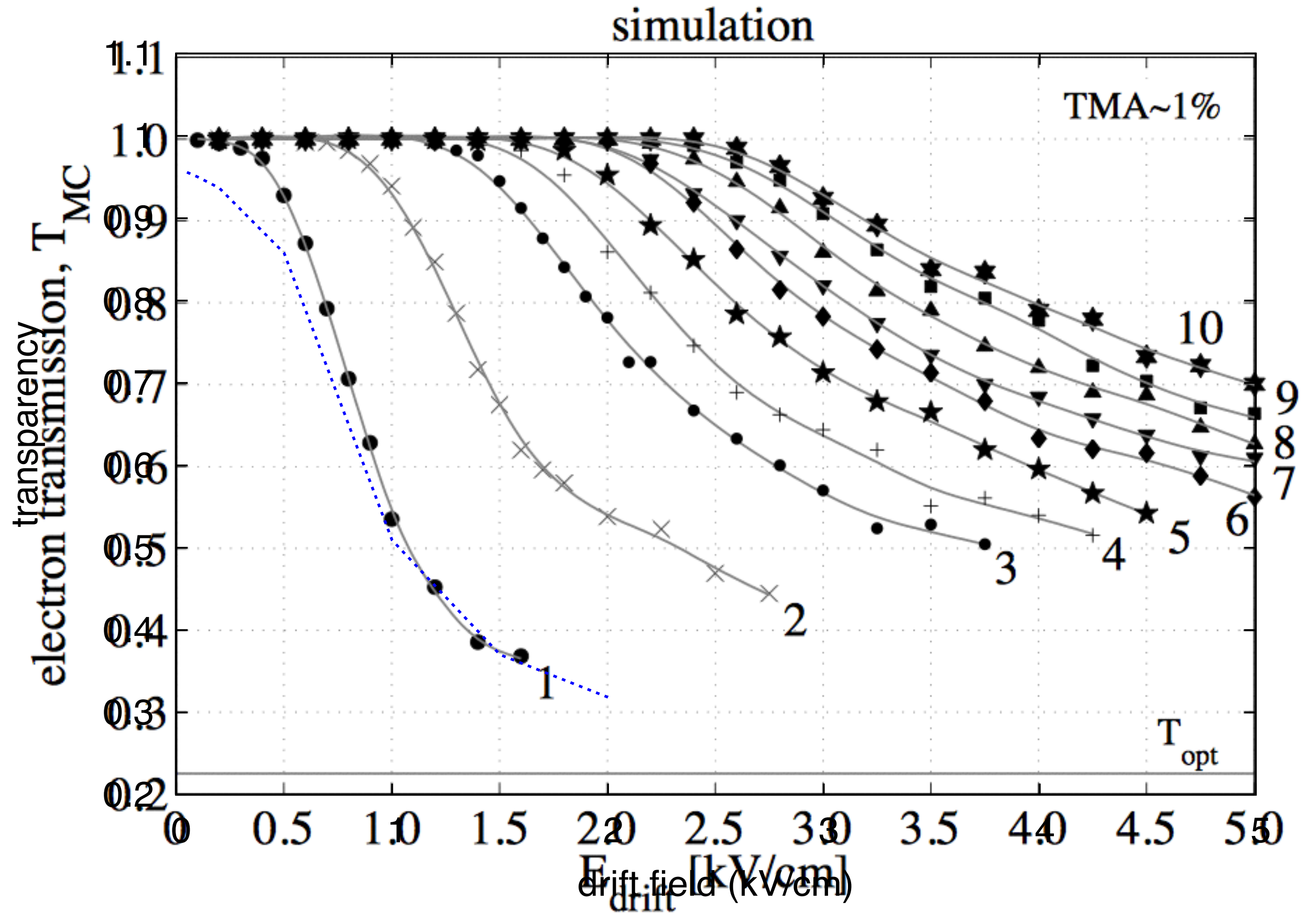


axis-symmetric approximation
hydrodynamic approximation
gas = Ne/C₂H₆ 90/10
drift length = 200μm
kapton thickness = 50μm
electrode thickness = 5μm
hole diameter = 30μm (40μm)
hole pitch = 100μm
drift field = 10V/cm - 10kV/cm
amplification field = 88kV/cm

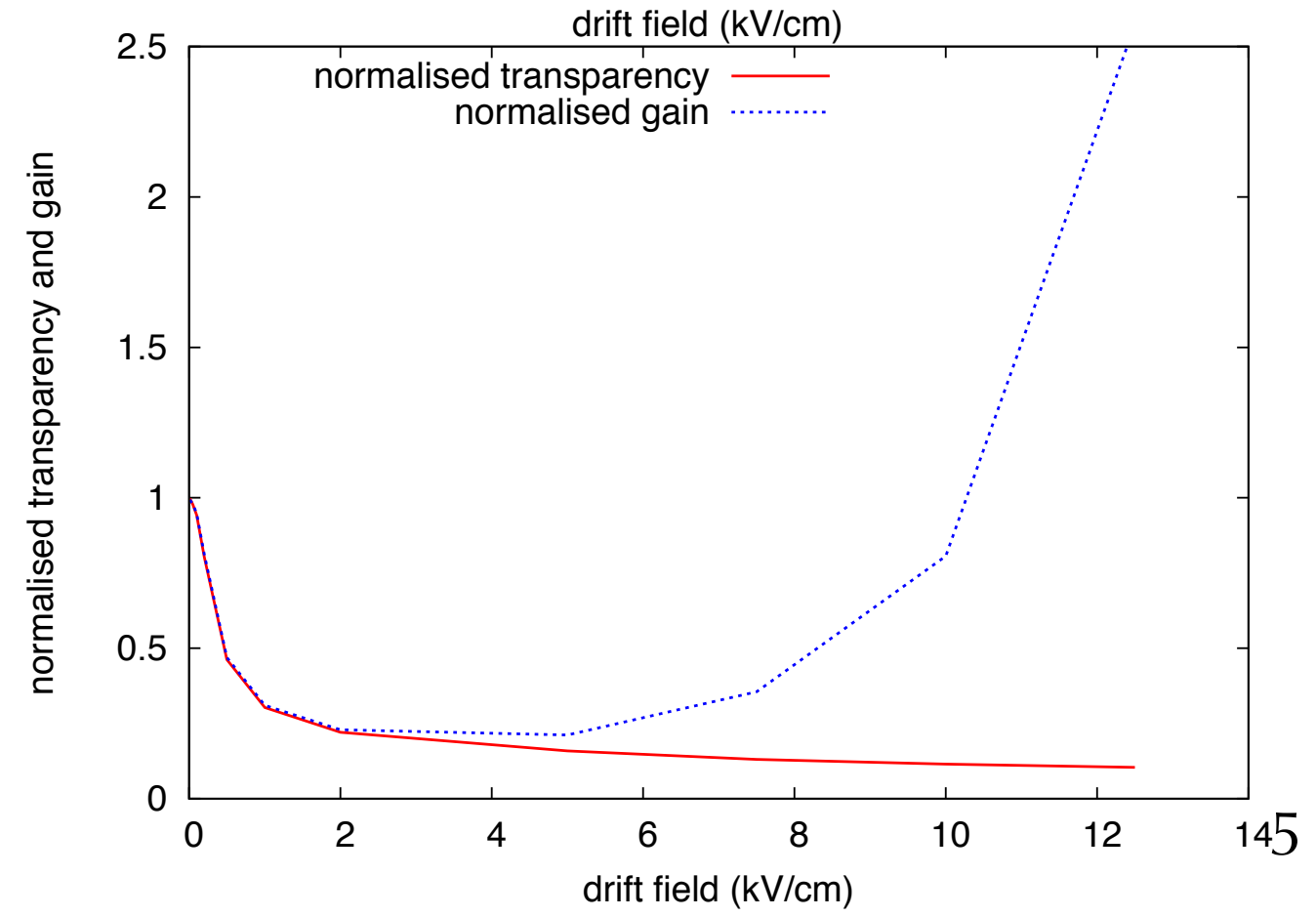
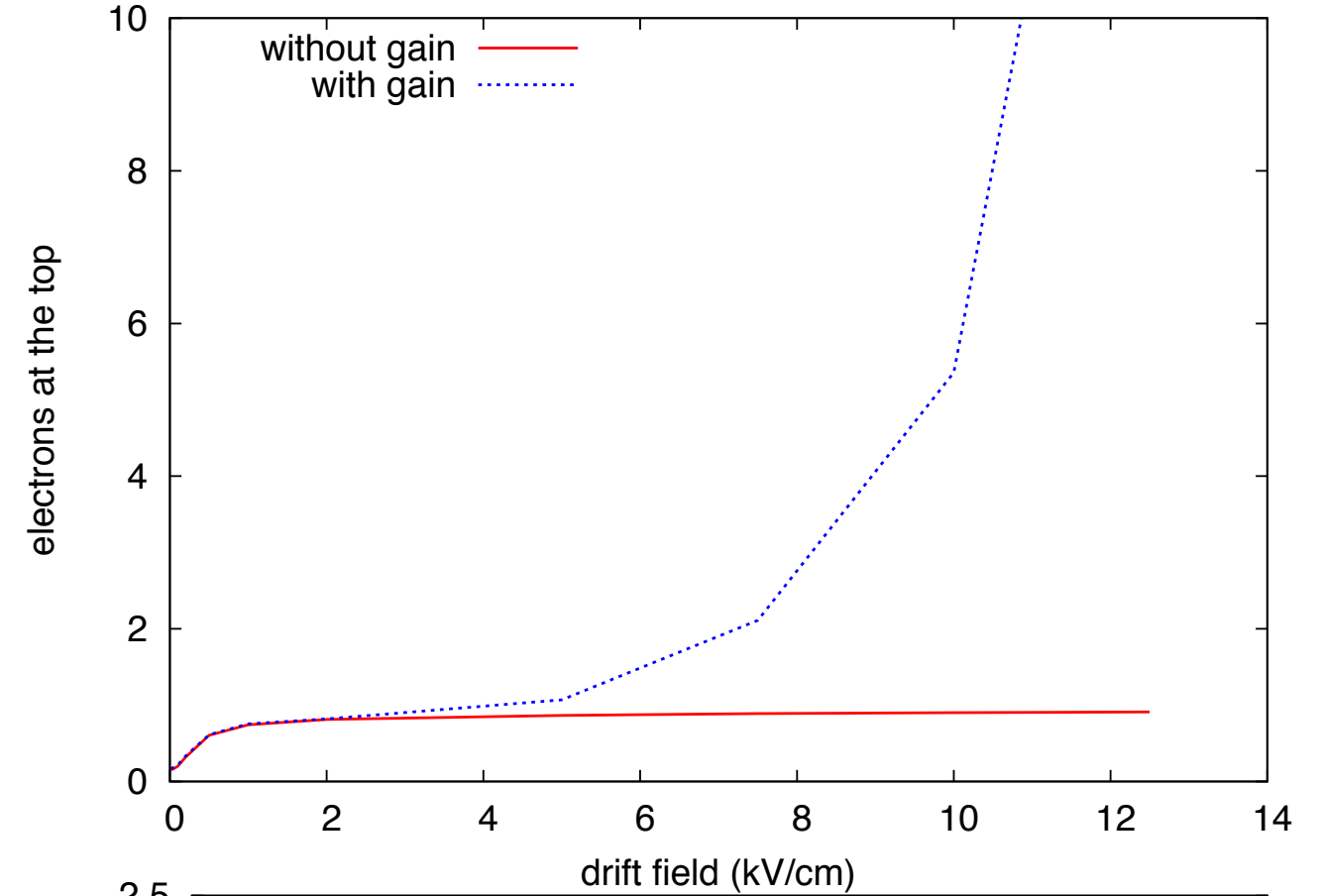
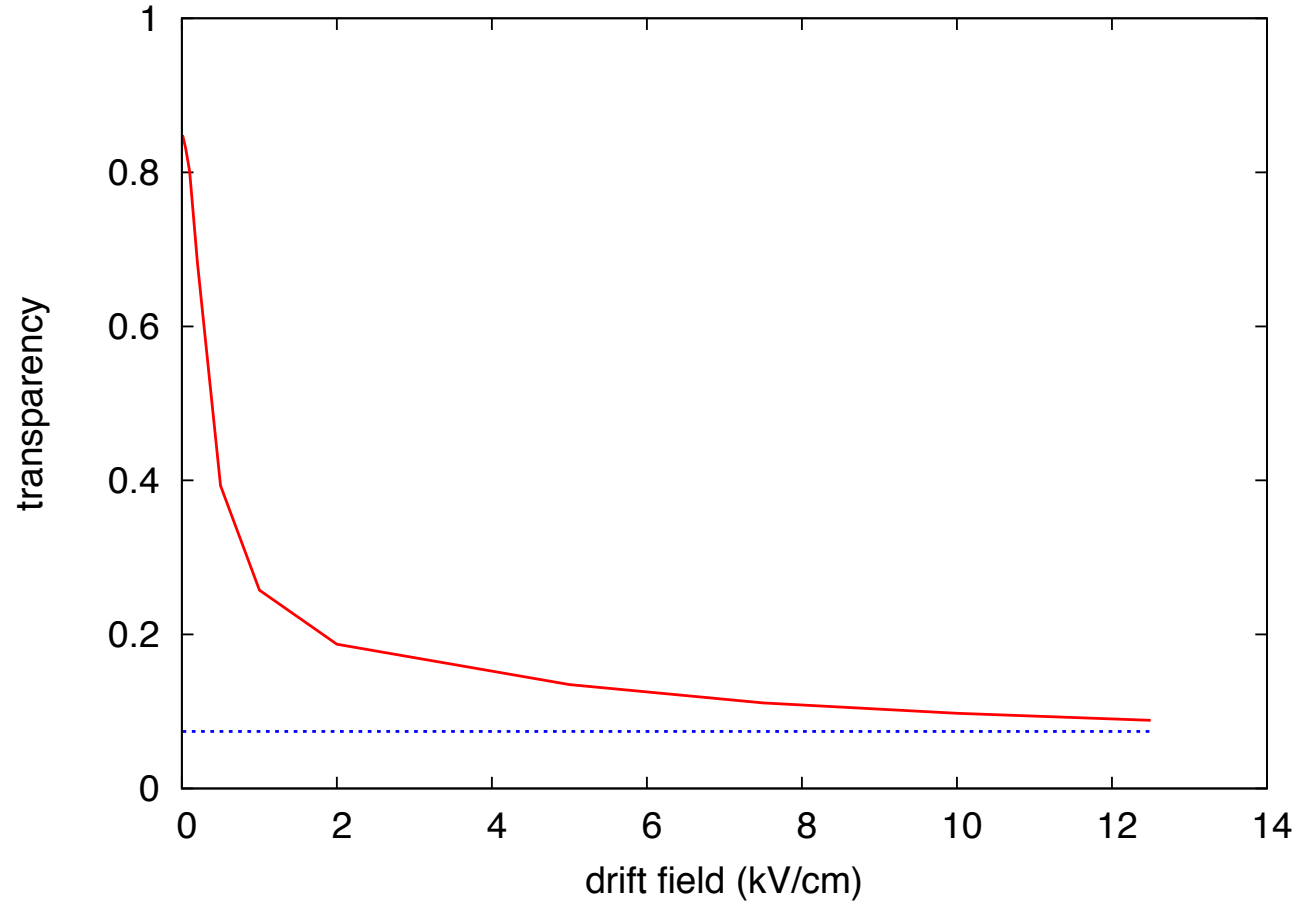
Ne/C₂H₆ 90/10



Benchmark: Xe/TMA



Drift scans



Drift scans

