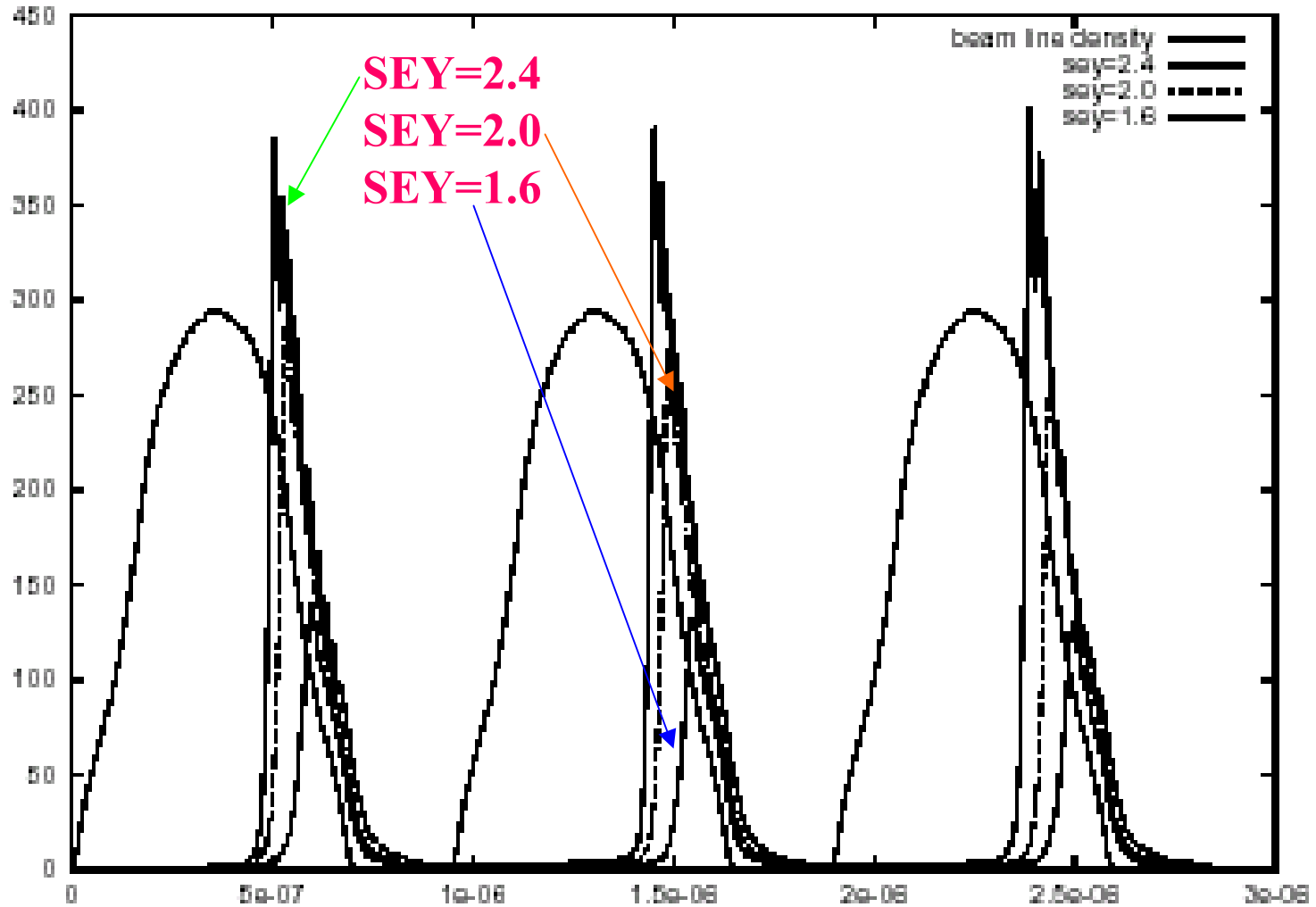
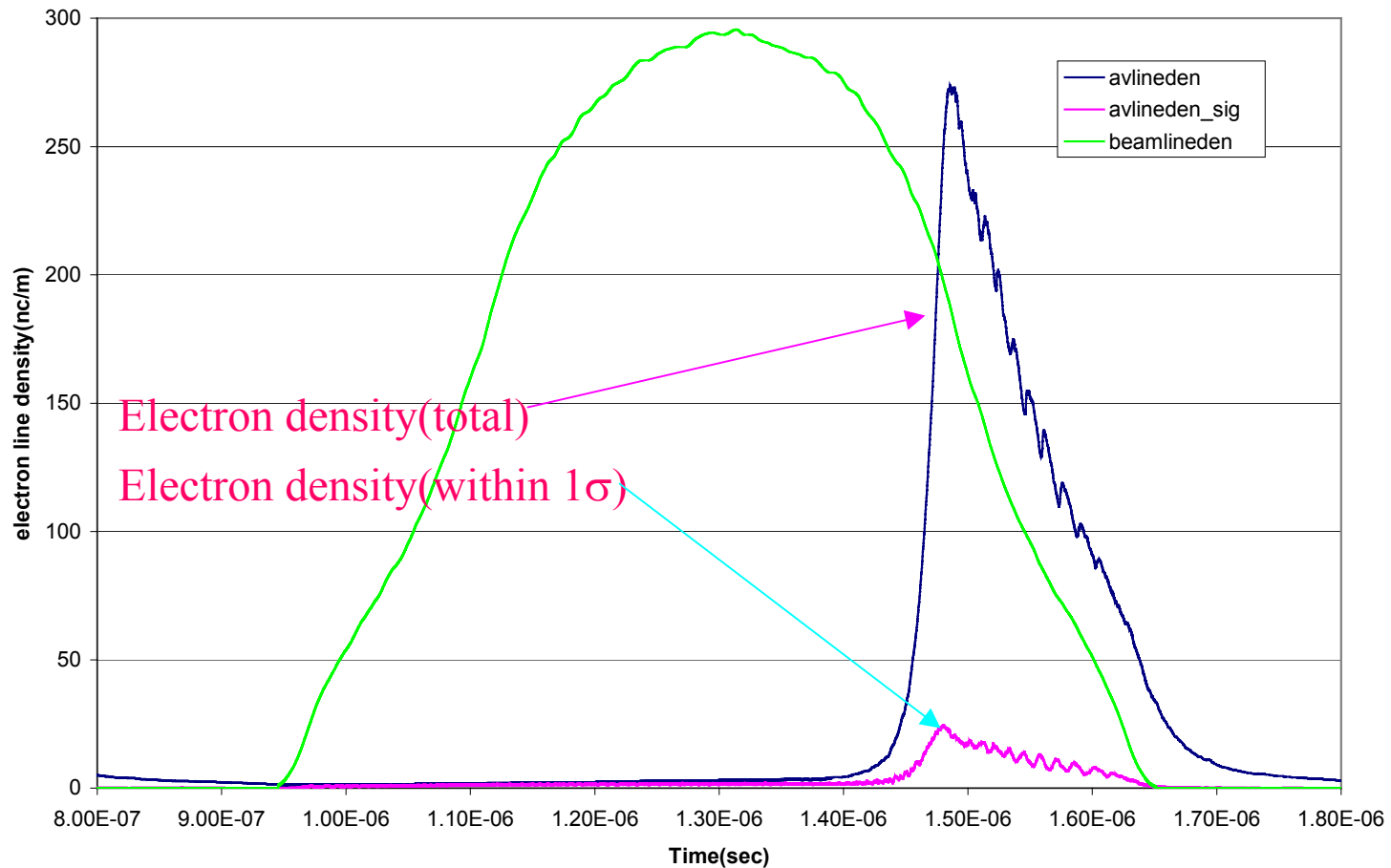


Simulated electron cloud densities vs SEY (SNS)



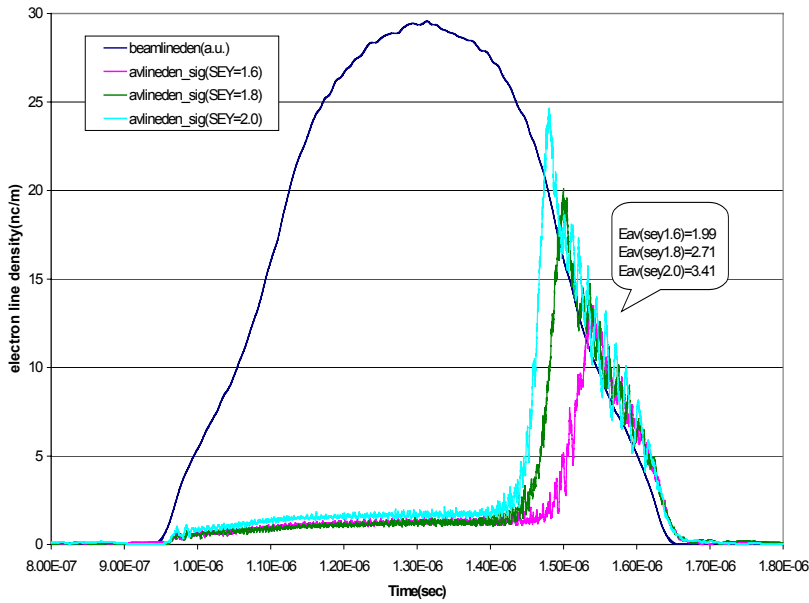
Simulated electron density computed within the beam radius and total electron density (SEY = 2.0)

Simulated electron density at SEY=2.0

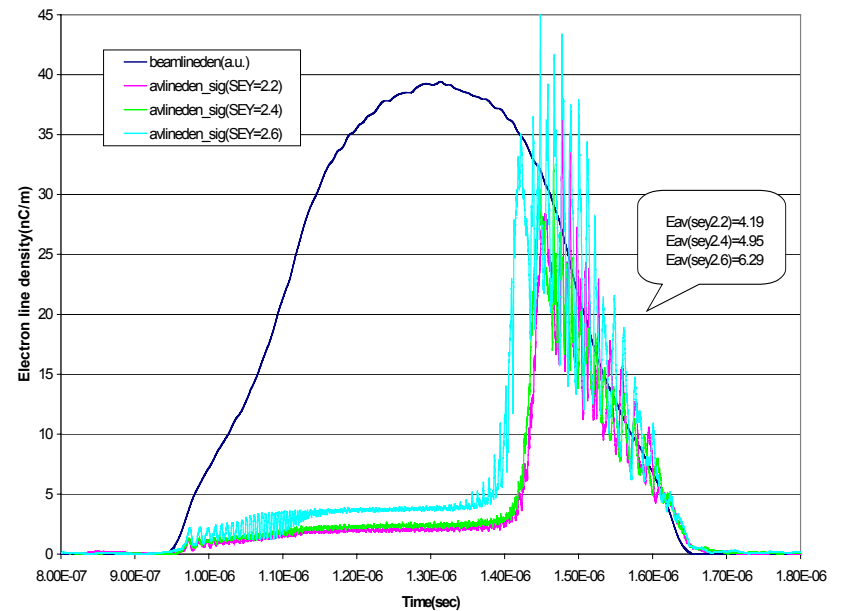


Simulated electron density computed within the beam radius at SEY=1.6, 1.8, 2.0, 2.2, 2.4, 2.6

Simulated electron density computed within the beam radius

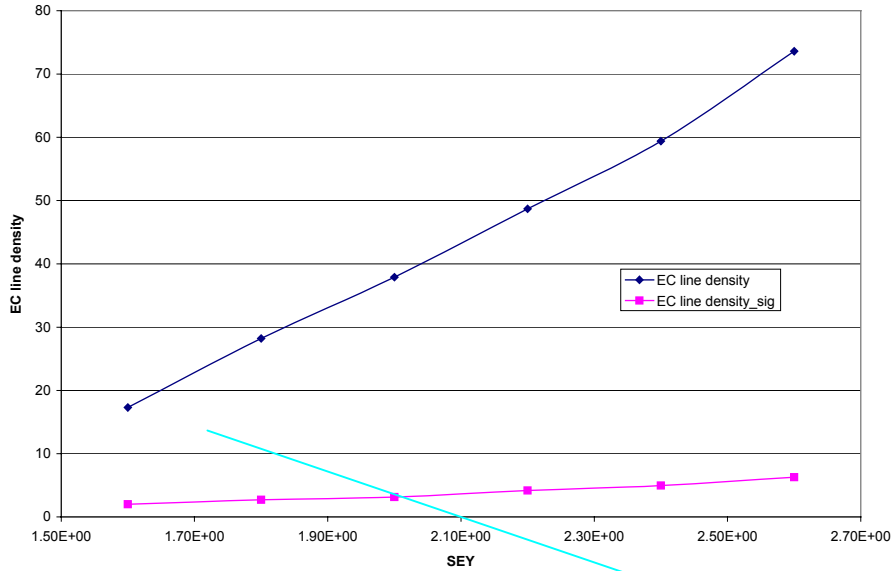


Simulated electron density computed within the beam radius



Average electron line density vs SEY

Average electron line density vs SEY



SNS TiN coating
Samples SEY are
1.5~1.8

TiN
As received SEY measurement
CERN AT-VAC B. HENRIST 23/5/2003

EC line density 17.4~28.2 nC/m
EC line density_{1σ} 1.9~2.7 nC/m

