Figure 7

Normalised EEPFs obtained from the simulation and averaged over the ROIs indicated by the dashed rectangles in figures 3 and 5. The peak-to-peak driving voltage is Vpp = 500 V and a He flow of 1000 sccm with an N2 admixture concentration of 0.1 % is used.

Experimental data are marked as Experiment

Simulated data is marked as Simulation

Energy [eV] , EEPF[eV-3/2]

Simulated normalized electron energy probability function for N2-admixture of 1 sccm and different applied frequencies of 12MHz, 18MHz and 28MHz respectively with N=1 and 6MHz, 12MHz and 18MHz respectively with N=4.