DTSA-II simulation 500 nm Ir on 250 nm Ag on SiO2 30kV 10000 trajectories Detected 1e+07 Emitted 1e+06 100000 log Intensity Si, O: red, Ag: black Barely starting to detect Ag 10000 1000 100 2000 4000 6000 8000 10000 12000 14000 Energy [eV]