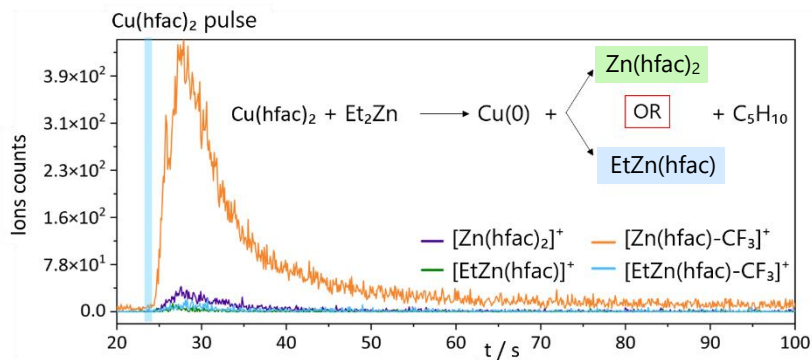
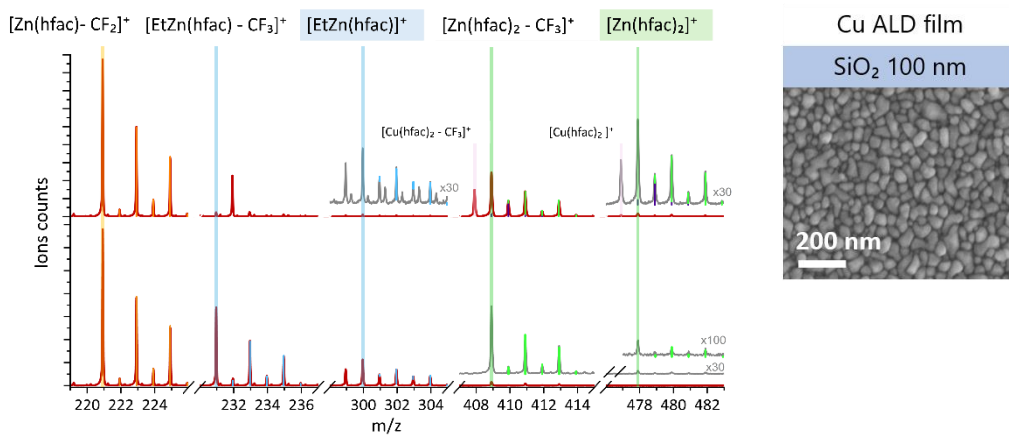


Reaction Pathway of Copper Atomic Layer Deposition via Time-of-Flight Mass Spectrometry



Time-resolved MS spectrum showing the byproducts molecular peaks M^+ and fragmentations during Cu(hfac)_2 half cycle.

Resulting MS



(left) Zn(hfac)_2 and etZn(hfac) mass spectrum associated to the TS. (right) Obtained Cu ALD film on SiO_2 .