



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101017858

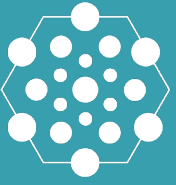
# Advanced Simulations...within Electro-Intrusion and beyond

Simone Meloni

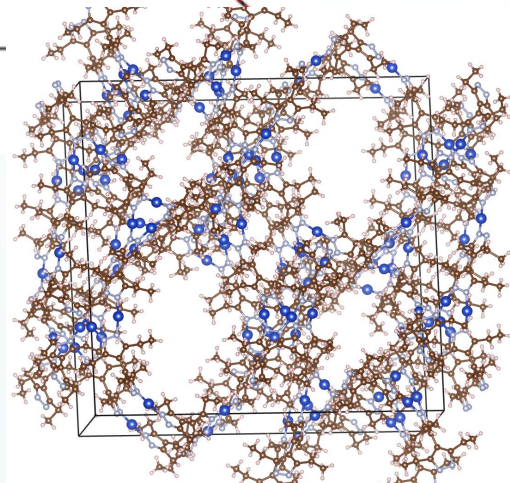
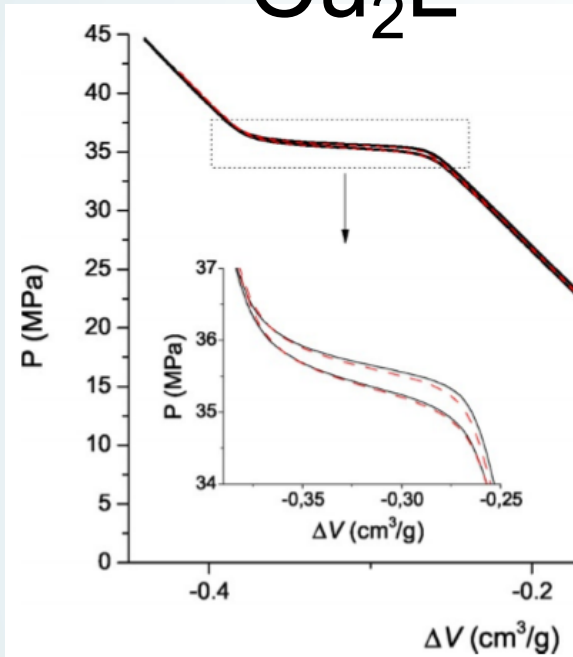
[simone.meloni@unife.it](mailto:simone.meloni@unife.it)



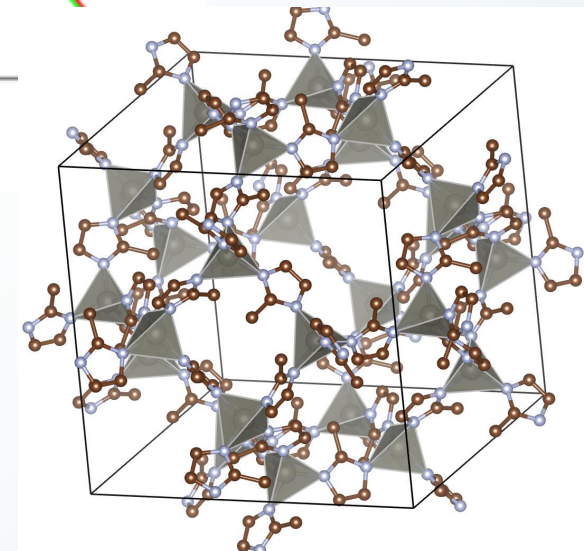
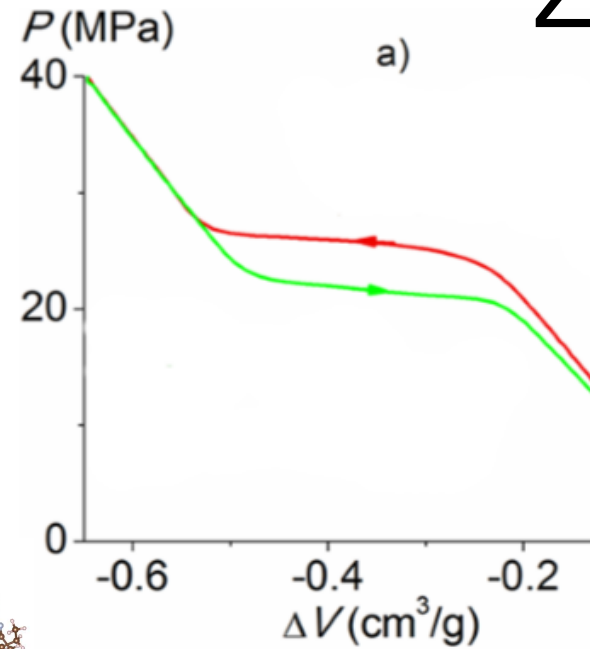
# Simulations: what do we use them for



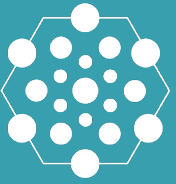
## Cu<sub>2</sub>L



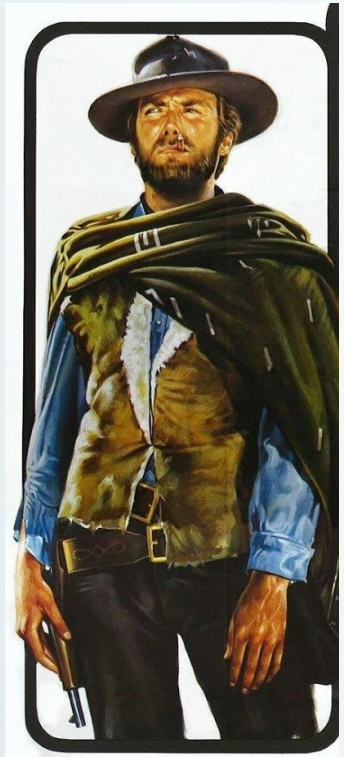
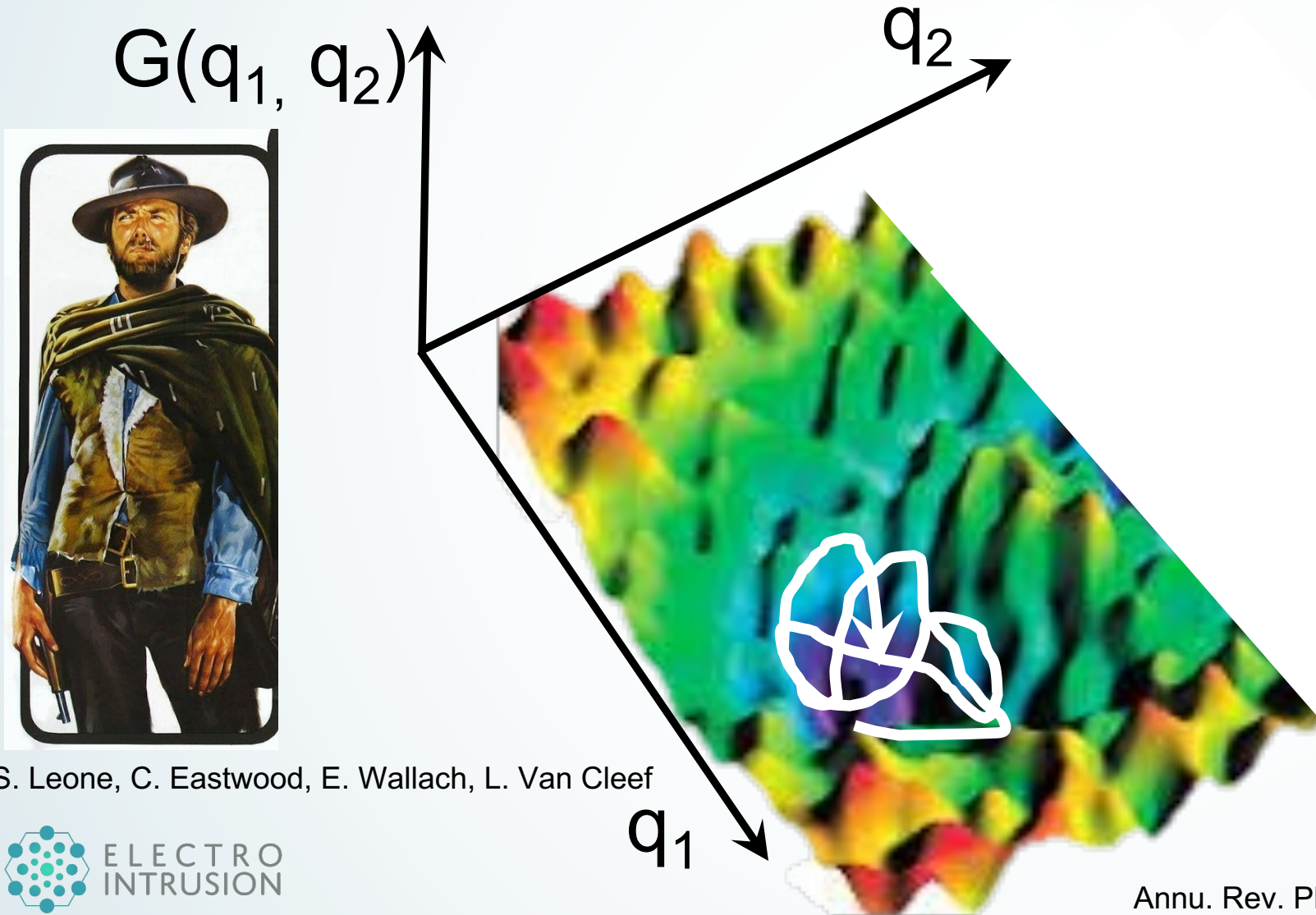
## ZIF8



# Standard simulations: the good



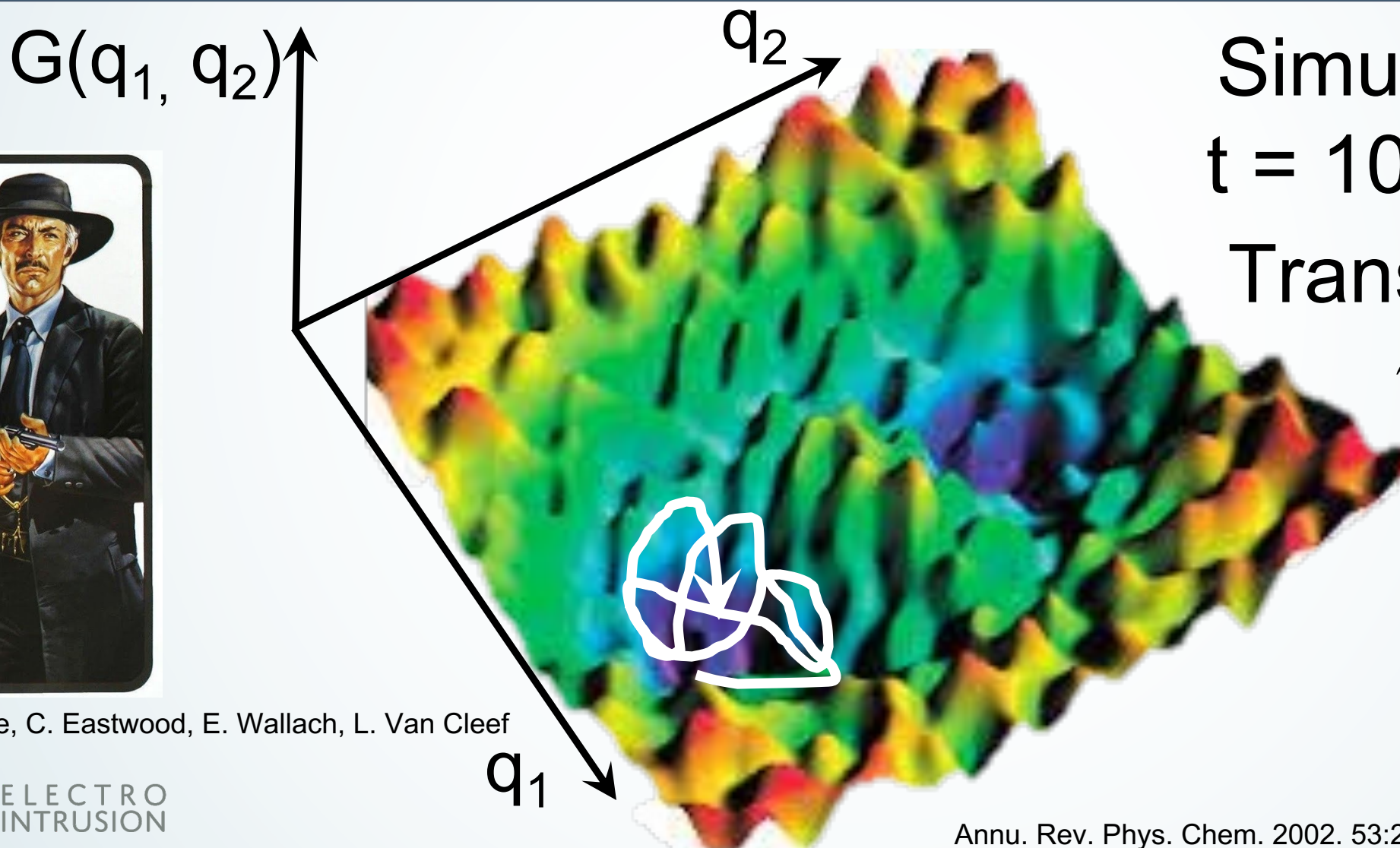
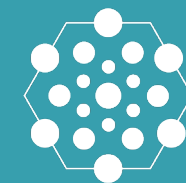
Simulation time  
 $t = 10^{-11} - 10^{-7} \text{ s}$



S. Leone, C. Eastwood, E. Wallach, L. Van Cleef



# Standard simulations: the bad



Simulation time  
 $t = 10^{-11} - 10^{-7} \text{ s}$

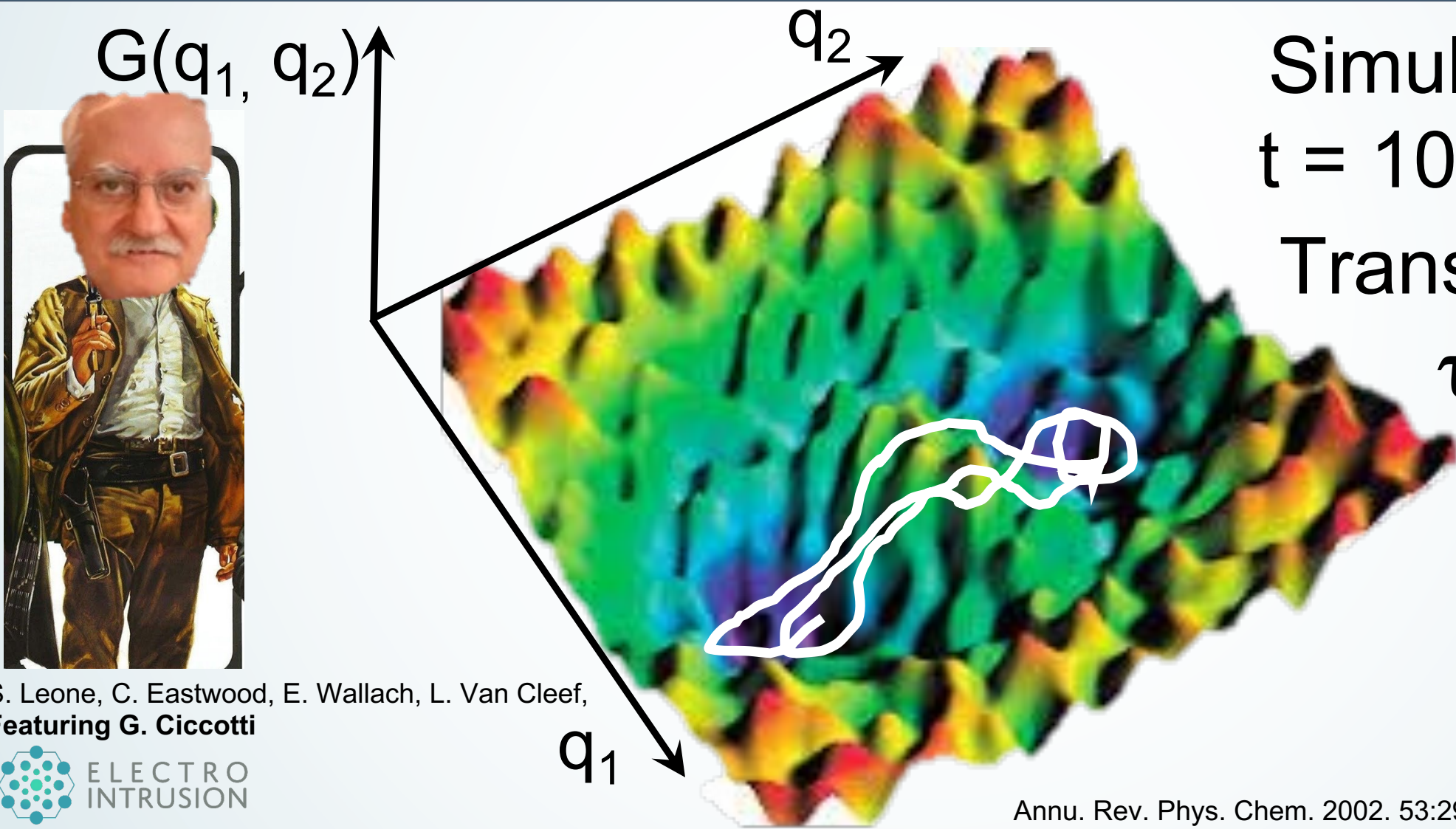
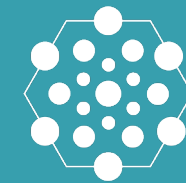
Transition time  
 $\tau \gg t$



S. Leone, C. Eastwood, E. Wallach, L. Van Cleef



# Standard simulations: the magic



Simulation time  
 $t = 10^{-11} - 10^{-7} \text{ s}$

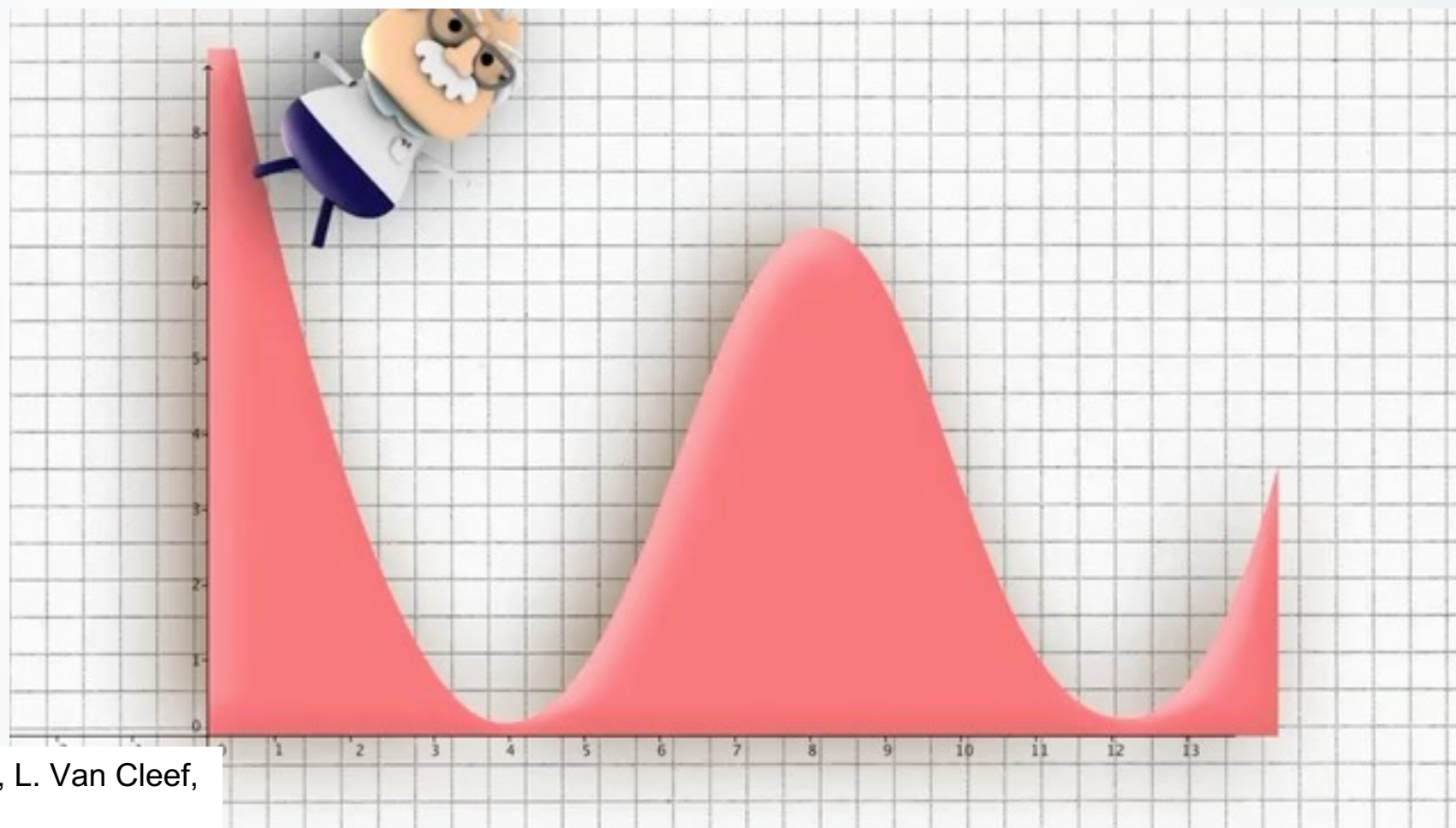
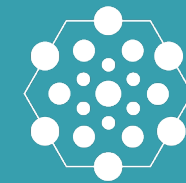
Transition time  
 $\tau \ll t$



S. Leone, C. Eastwood, E. Wallach, L. Van Cleef,  
Featuring G. Ciccotti

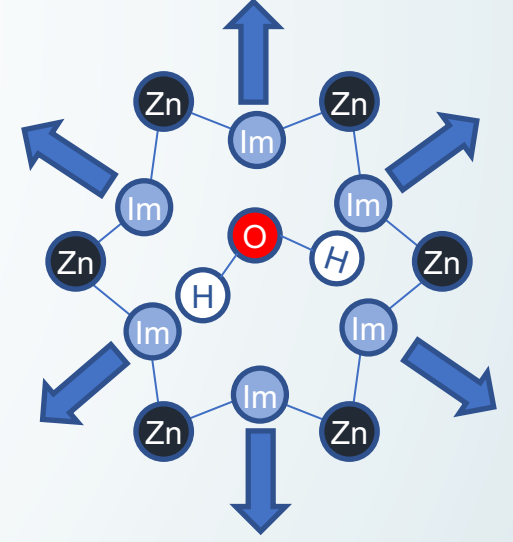
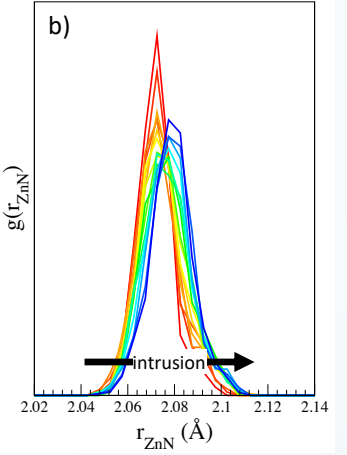
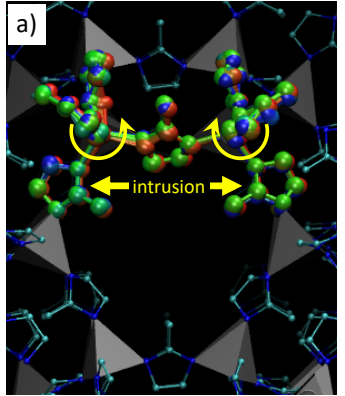
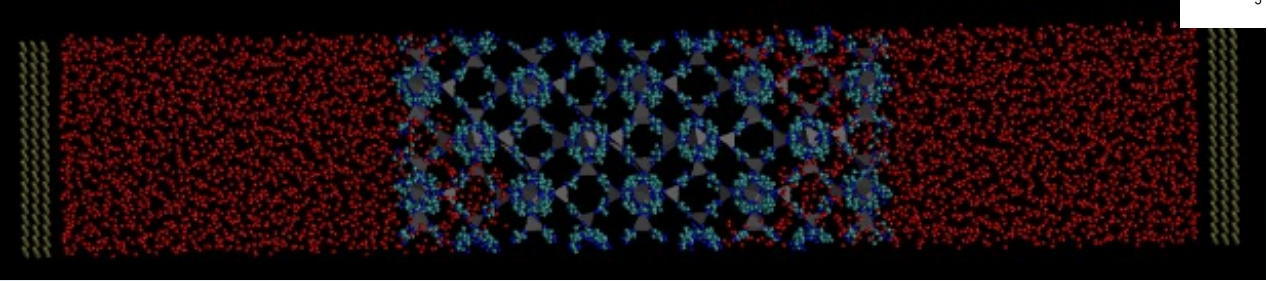
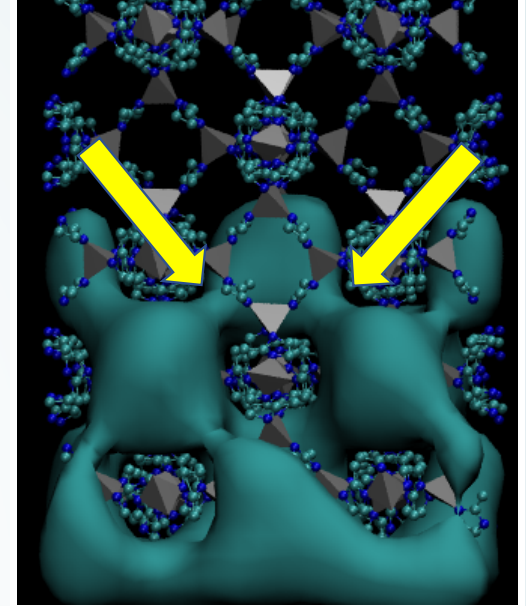
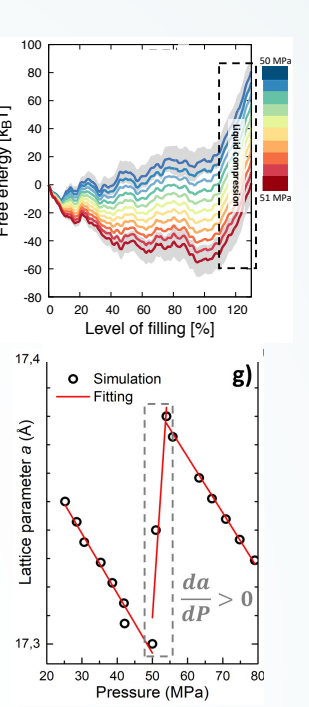
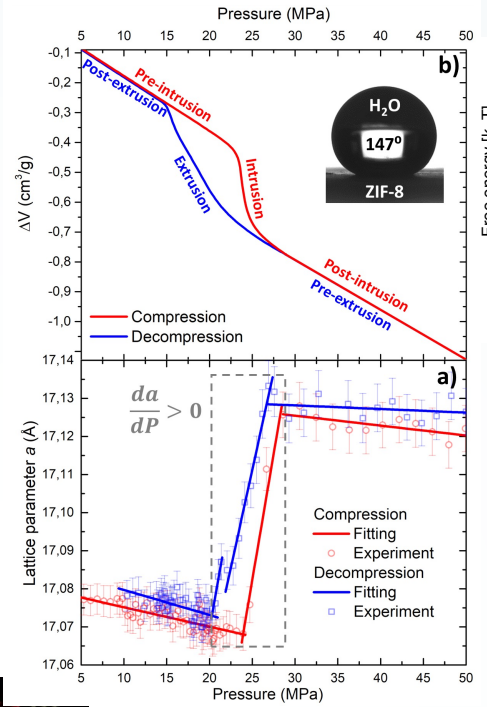
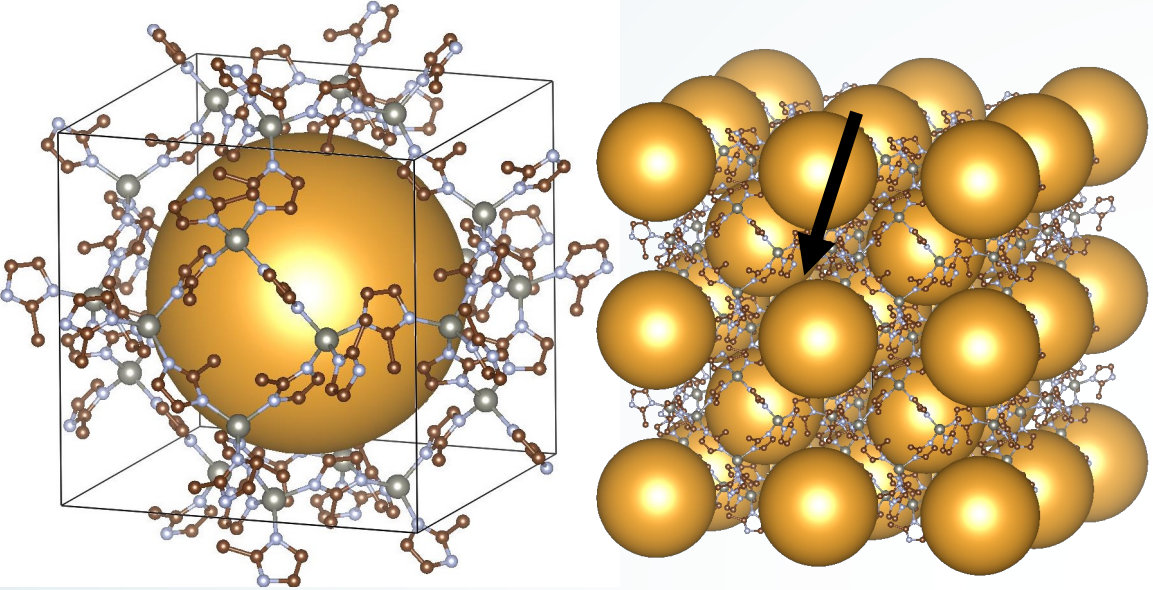


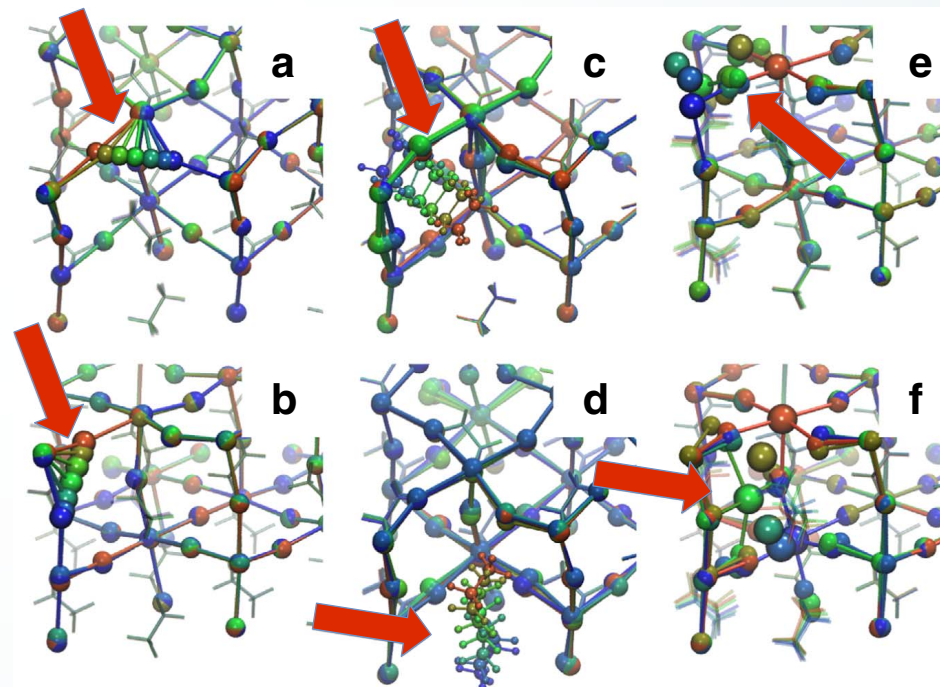
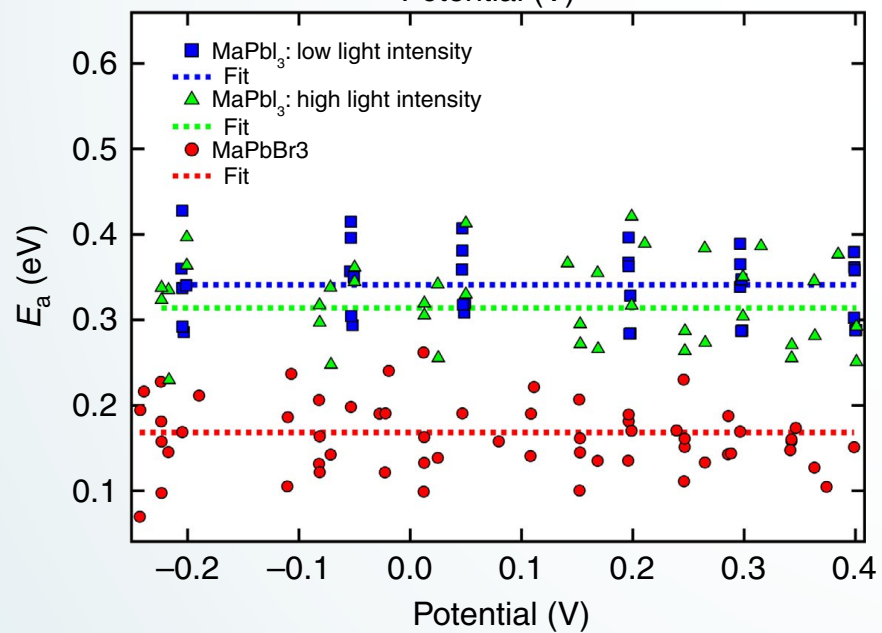
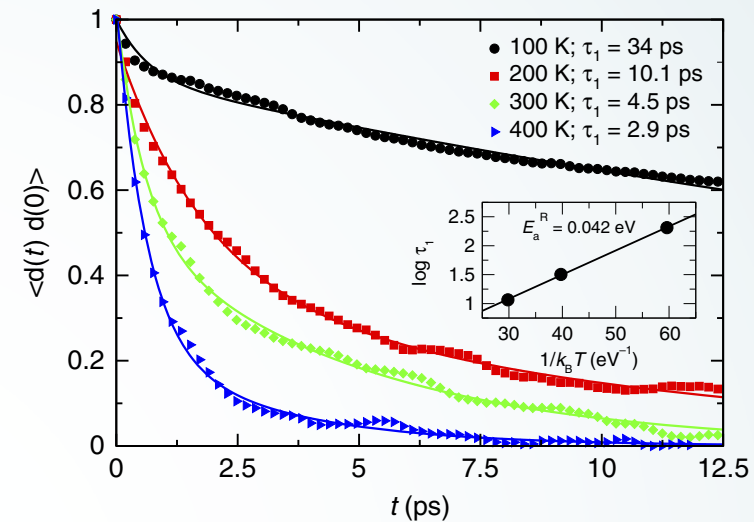
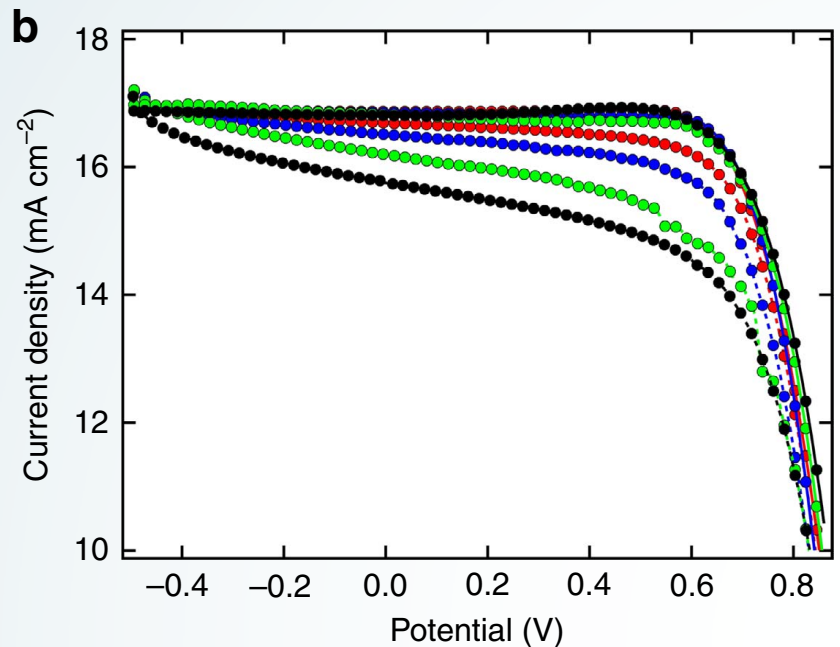
# Standard simulations: the magic



S. Leone, C. Eastwood, E. Wallach, L. Van Cleef,  
**Featuring G. Ciccotti**











This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101017858

# Thanks for your attention!



ELECTRO  
INTRUSION