

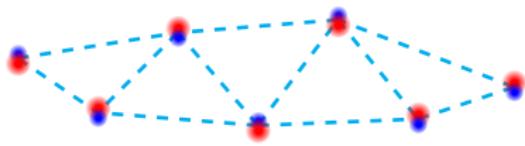
# Observation of NaCs molecular state in optical tweezer

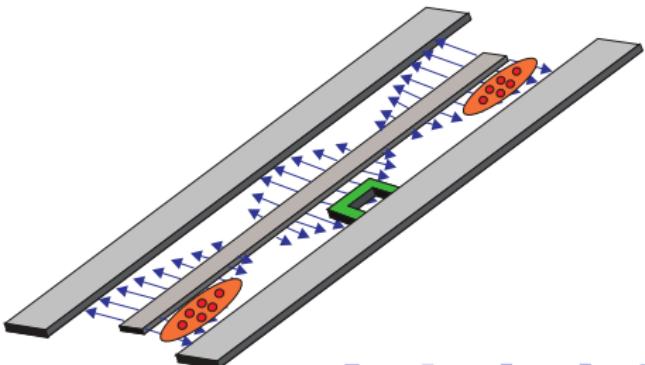
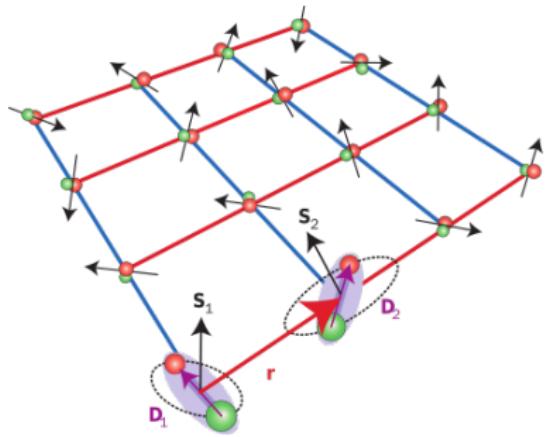
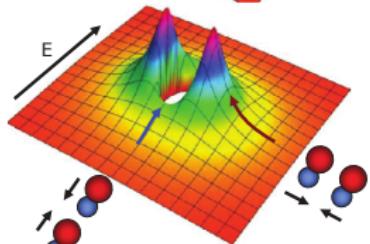
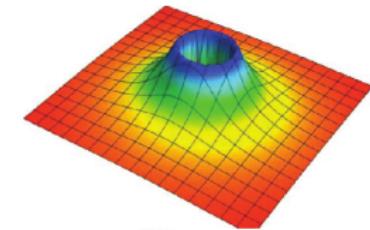
Yichao Yu

Lee Liu, Dr. Jon Hood

Ni Group/Harvard

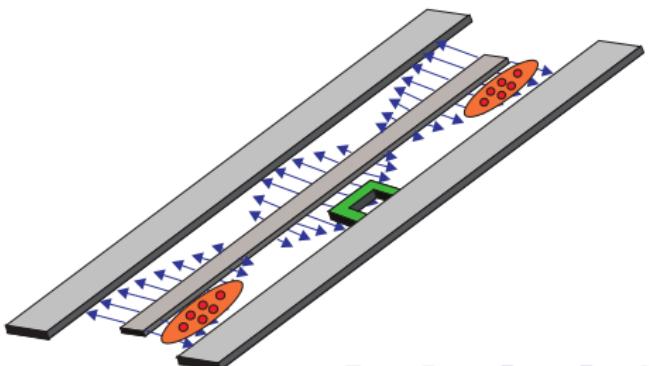
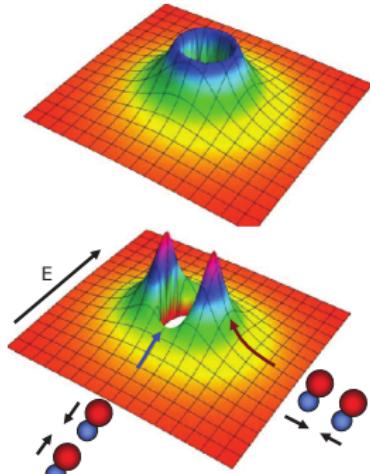
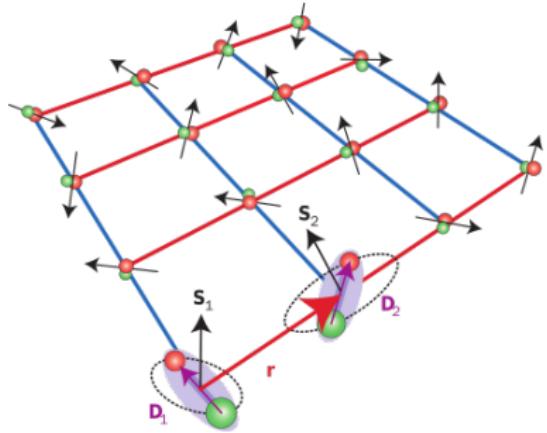
April 04, 2018



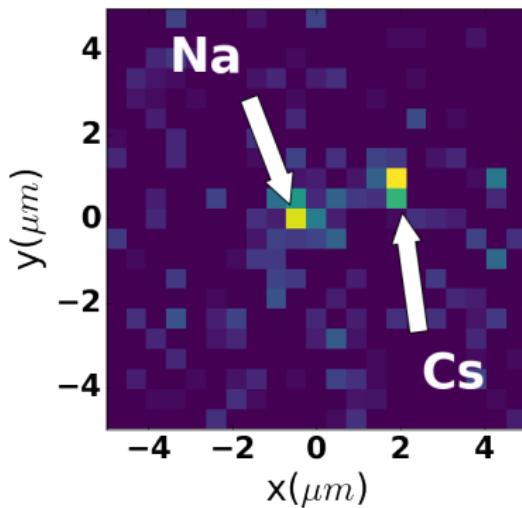


# NaCs

Dipole moment: 4.6 Debye

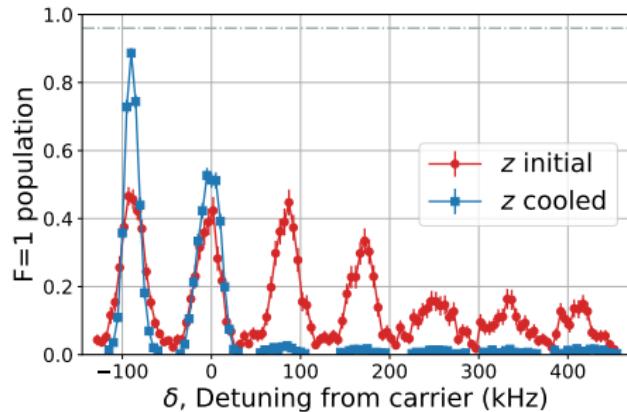
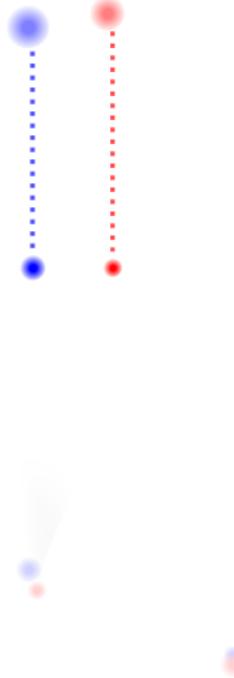


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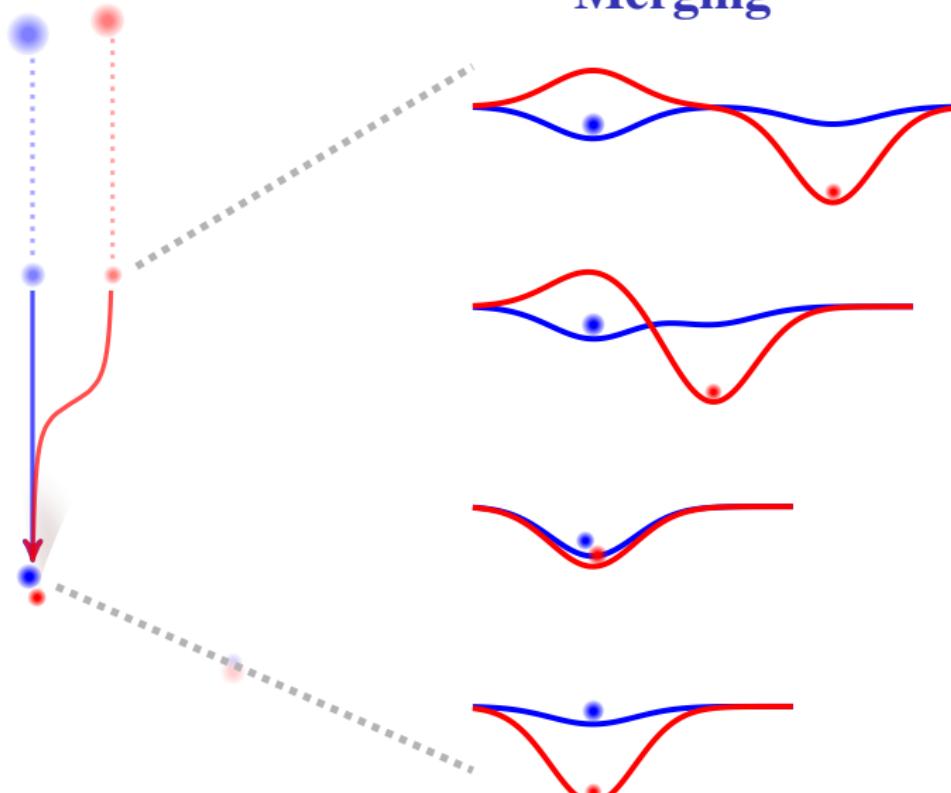
Loading probability: 60%

# Cooling



Cs: 96% ground state  
Na: 94% ground state

# Merging



# Creating molecule

