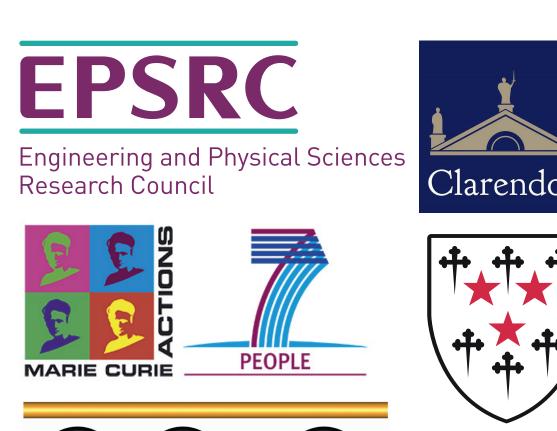
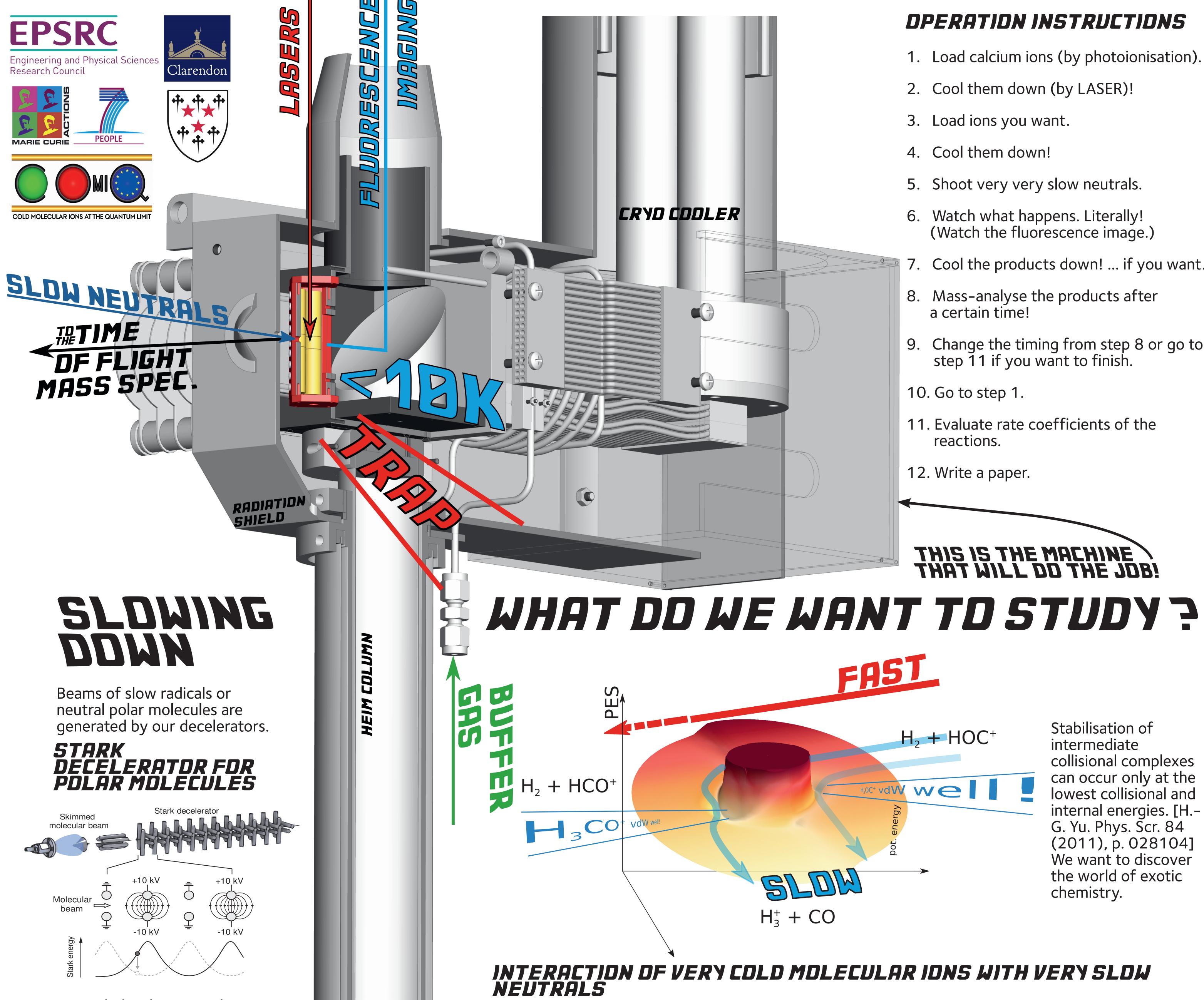
COLD DUANTUM CHEMISTRY (IIII) N. HEJDUK N. COUGHLAN REPORT AND UNDER AND UNDER









DPERATION INSTRUCTIONS

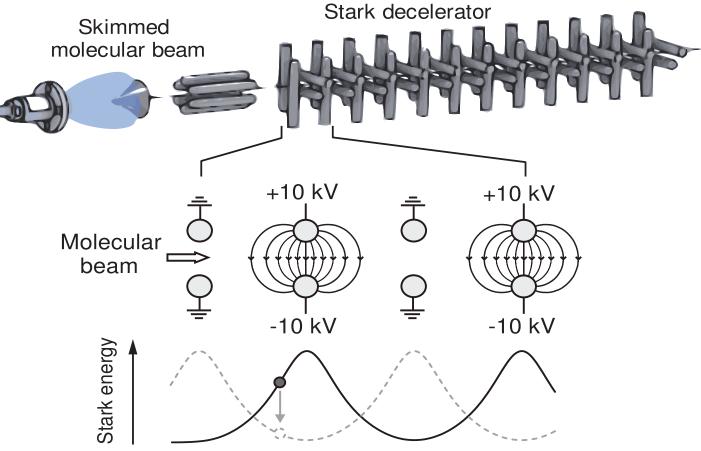
- Load calcium ions (by photoionisation).

- 5. Shoot very very slow neutrals.
- 6. Watch what happens. Literally! (Watch the fluorescence image.)
- 7. Cool the products down! ... if you want.
- 8. Mass-analyse the products after
- 9. Change the timing from step 8 or go to

- 11. Evaluate rate coefficients of the





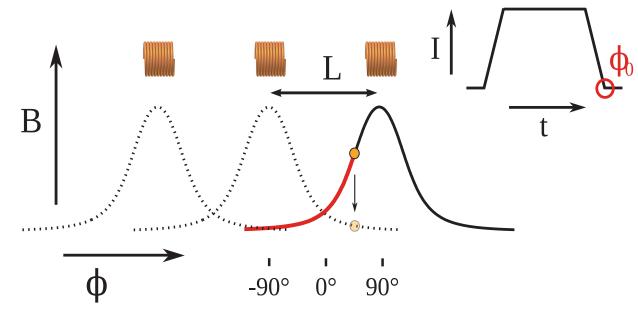


In a Stark decelerator, polar neutral molecules in low-field seeking quantum states can be decelerated through the implementation of rapid switching of voltages of the electrode pairs.

冷『 THE WAY DF IDN COOLING" 却

Laser cooled ion

ZEEMAN DECELERATOR FOR RADICALS



In a Zeeman decelerator paramagnetic species can be decelerated passing through a sequence of solenoid coils.

