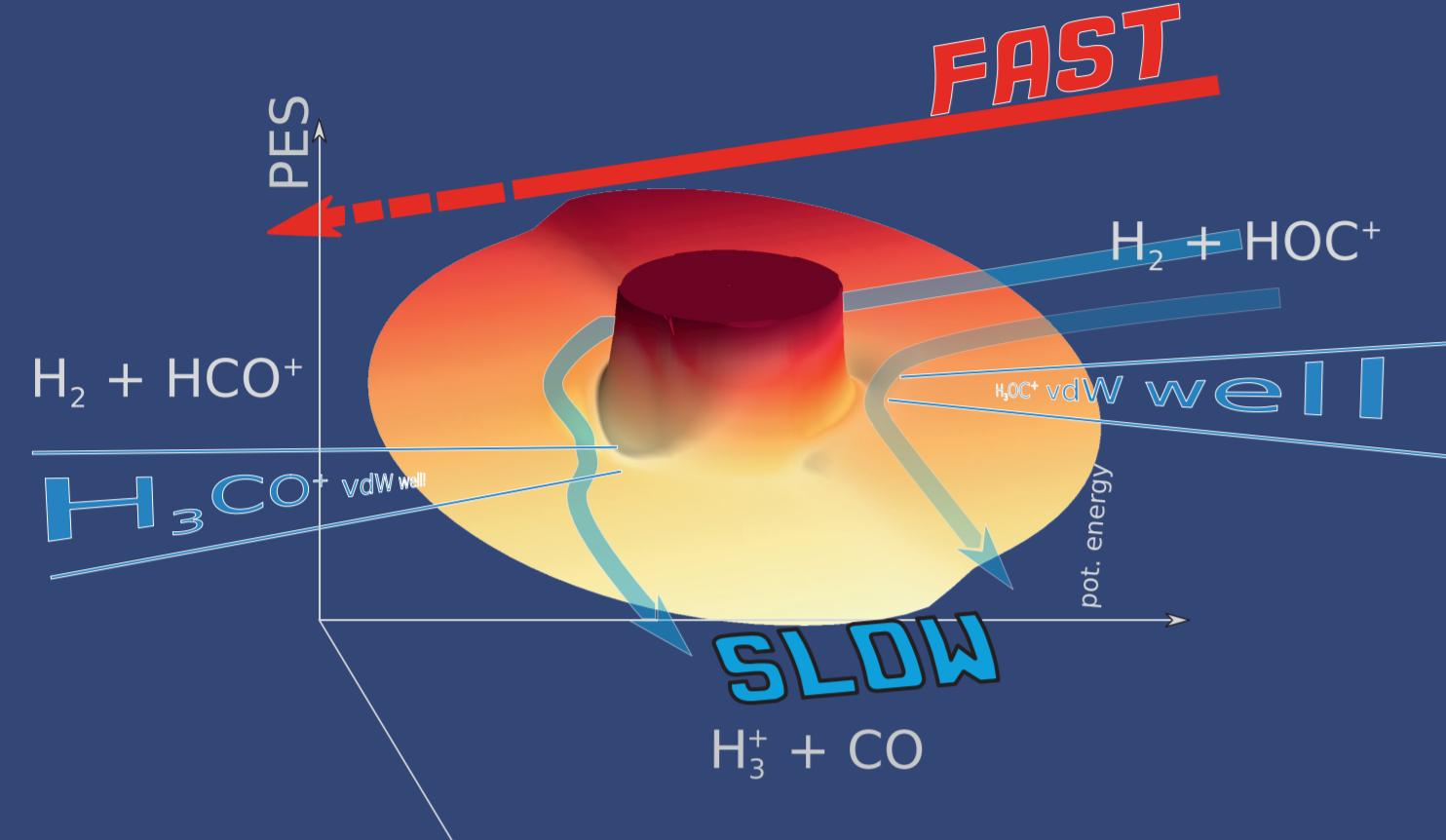


[Ultra]cold ion-neutral collisions For new [astro]chemistry

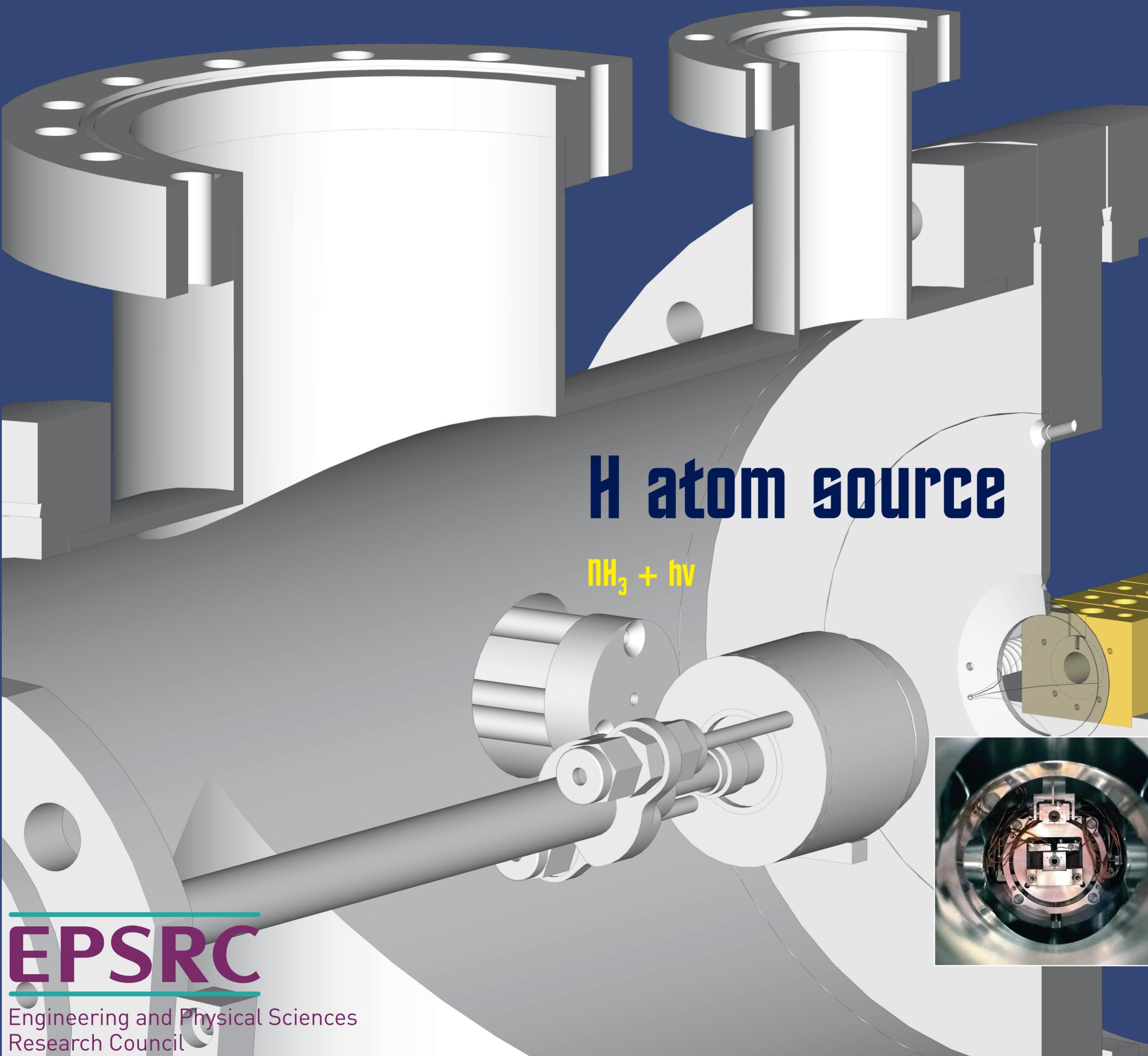
Michał Hejduk, N. Coughlan, J. Toscano
and @HeazlewoodGroup

Ion-radical collisions at low energies

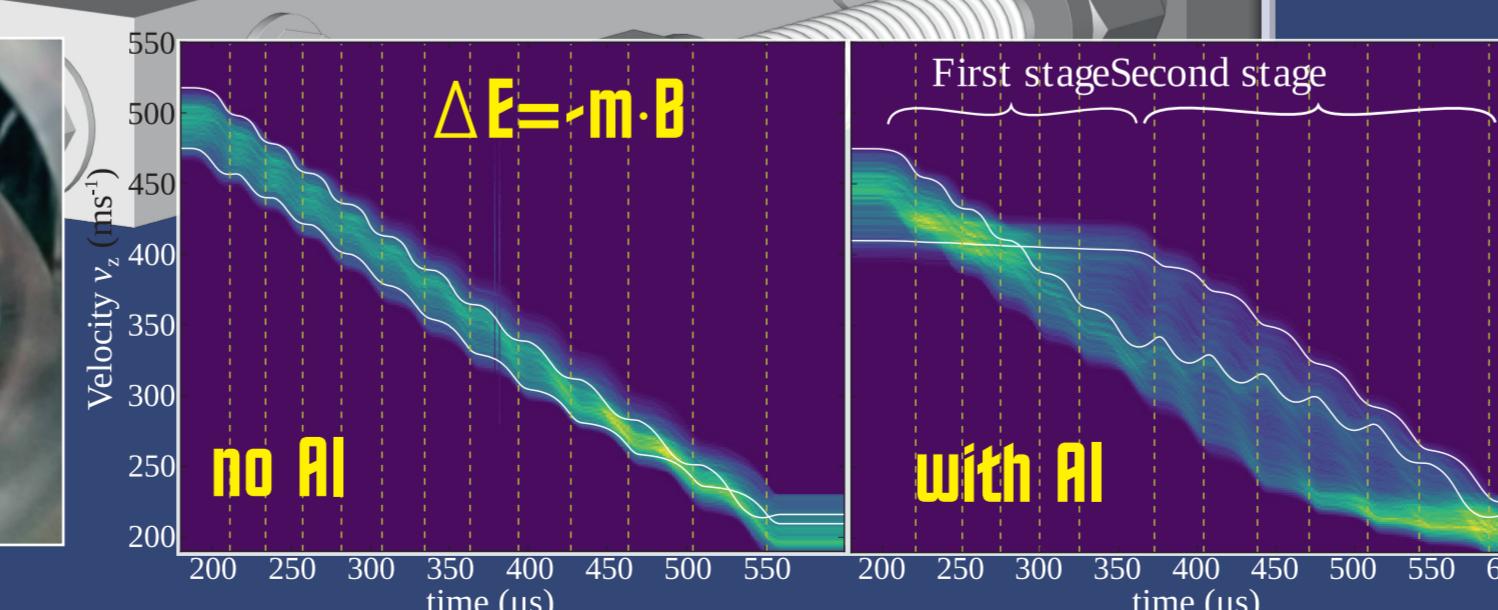


Stabilisation of intermediate collisional complexes at ultra-low temperatures.

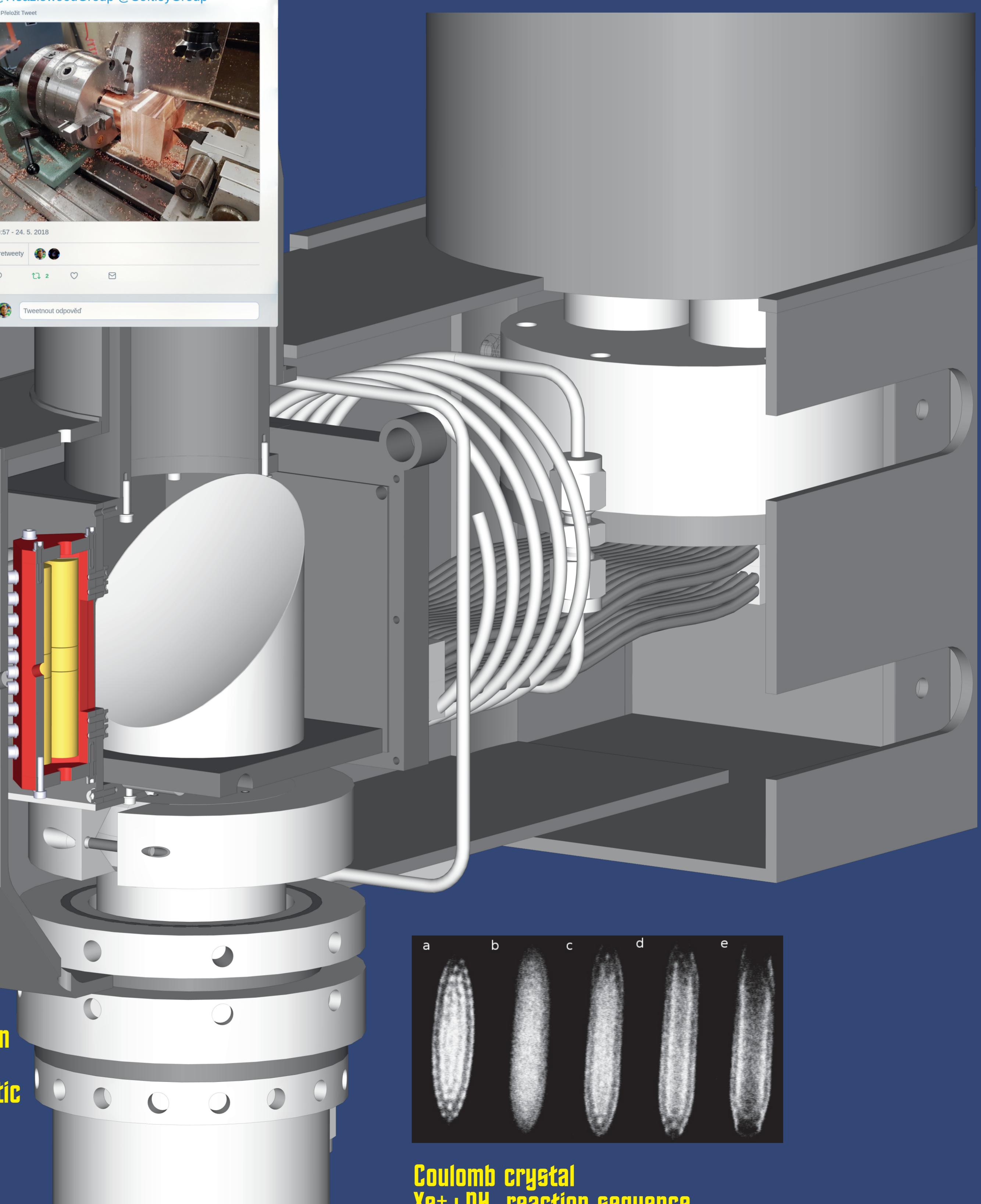
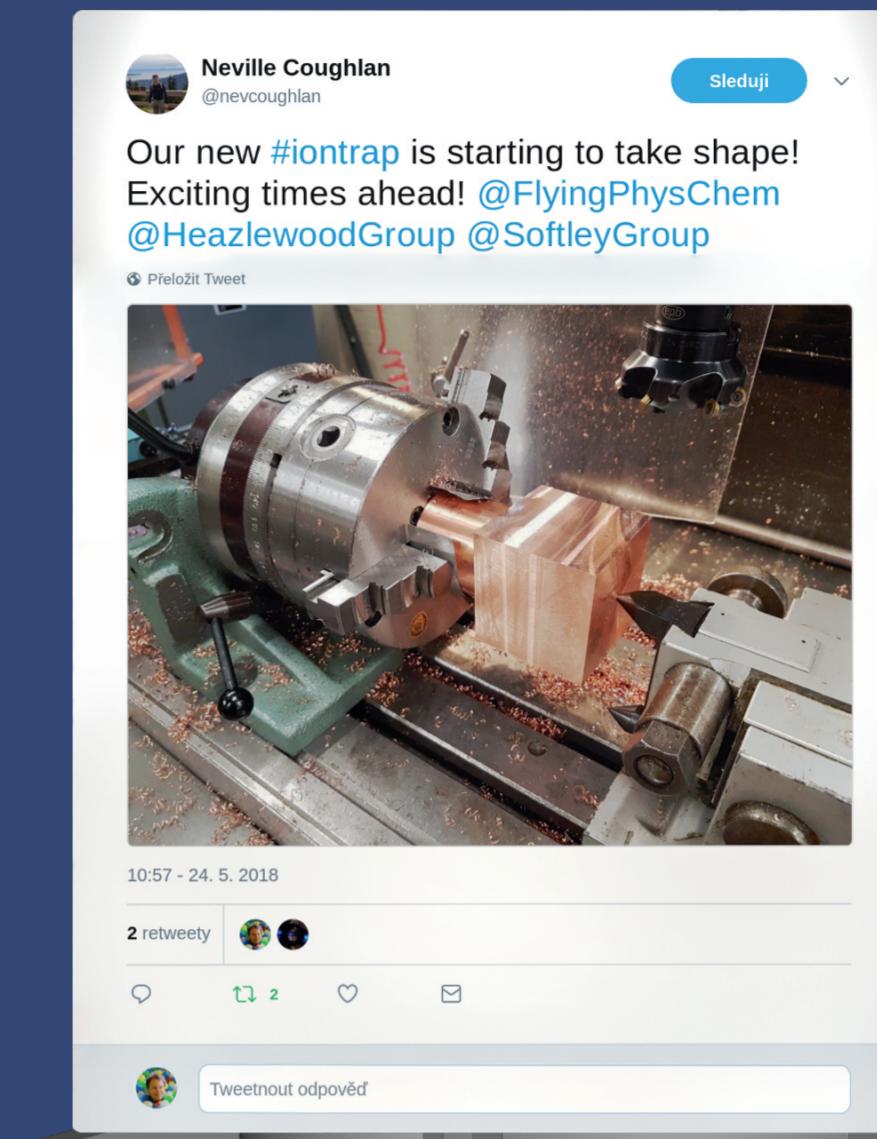
(R.-G. Yu. Phys. Scr. 04 (2011), p. 028010)



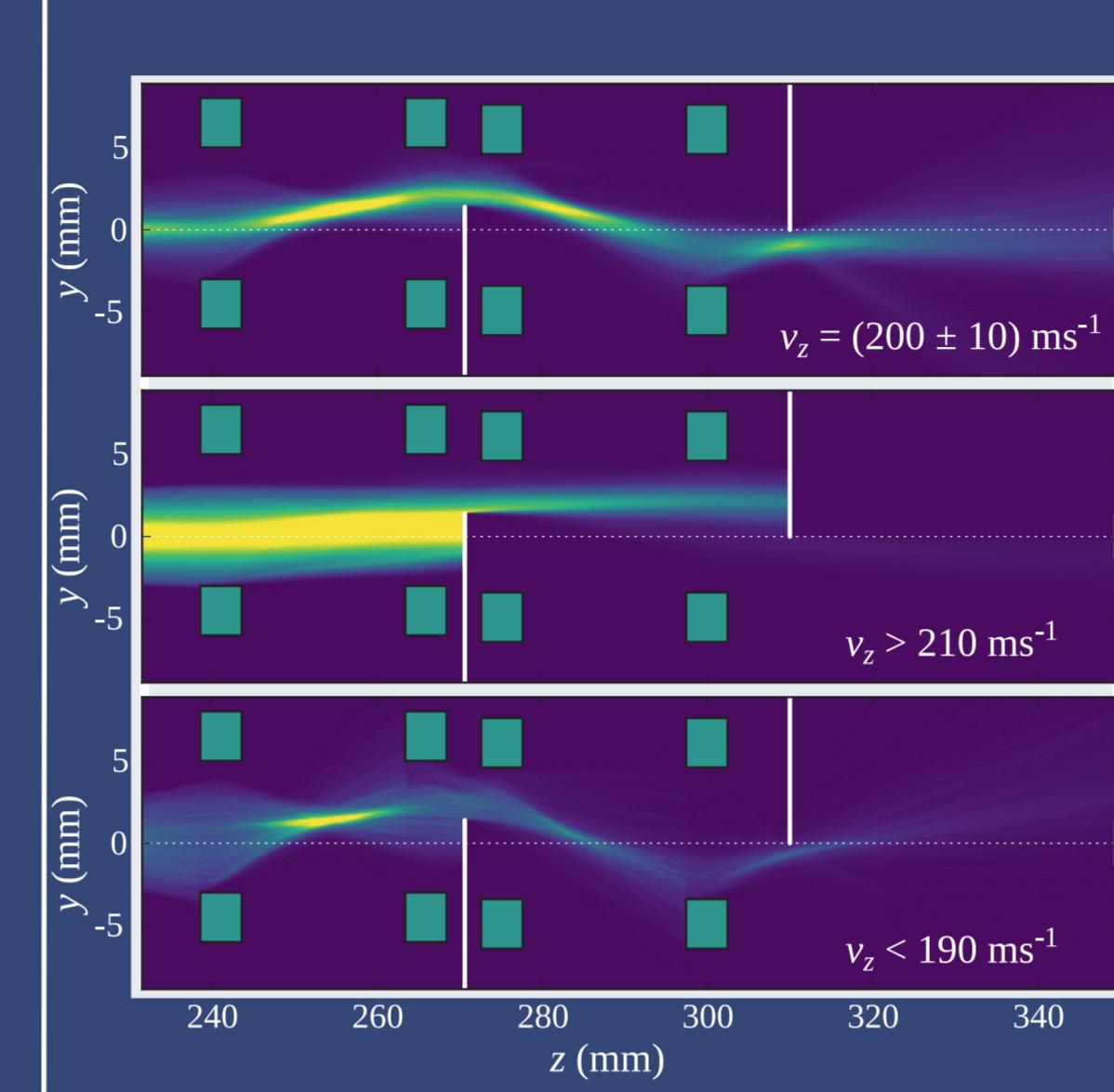
Zeeman decelerator



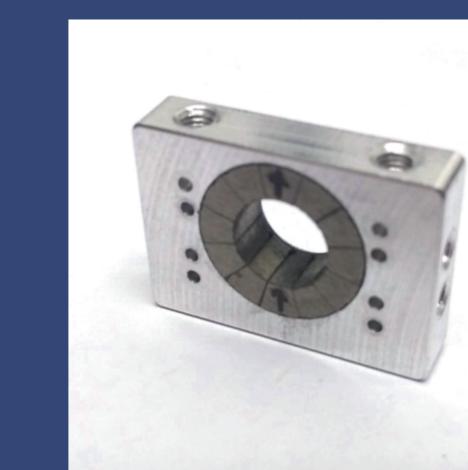
Cryogenic ion trap



Magnetic guide



Magnetic velocity filter



Halbach array

Deceleration of paramagnetic molecules