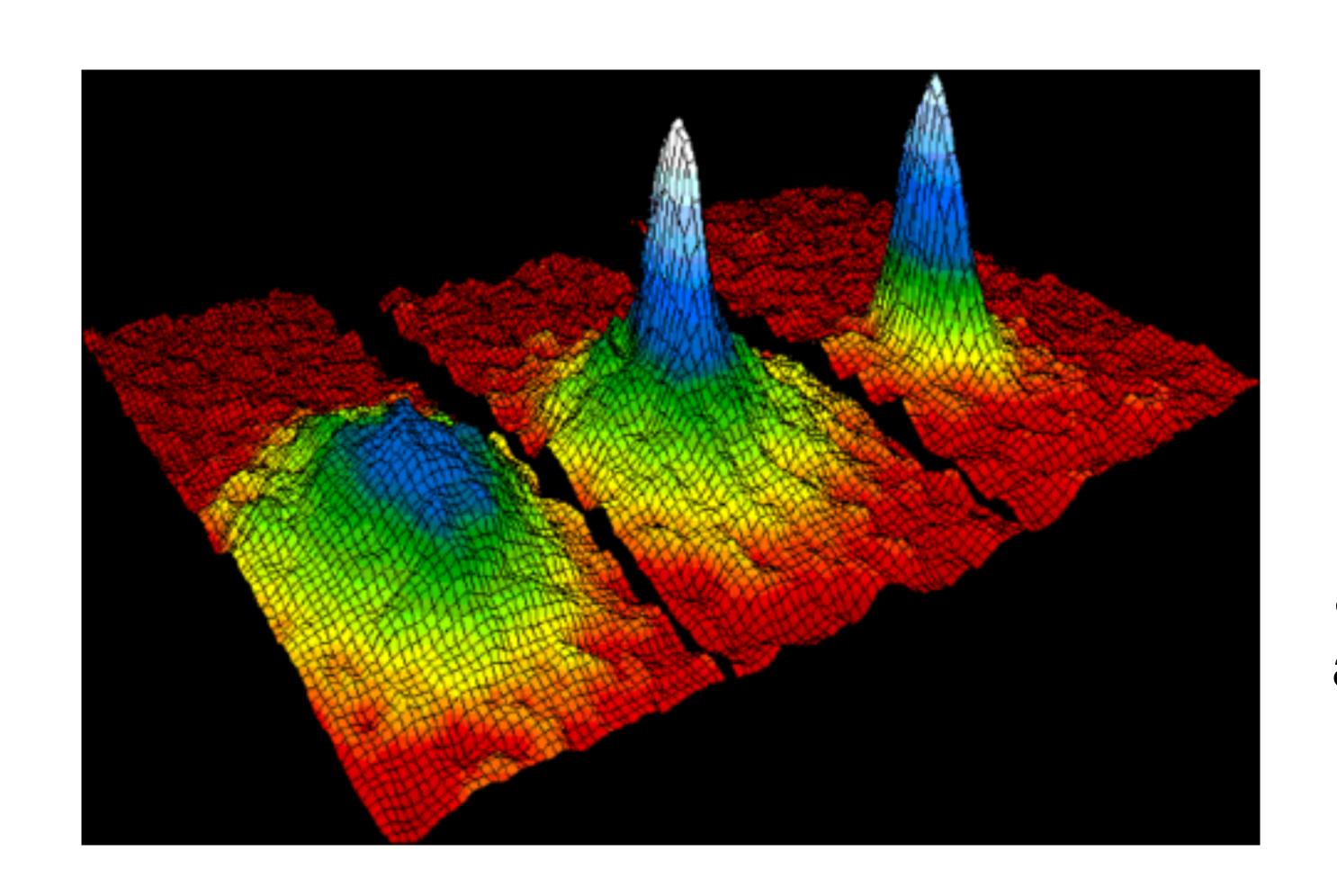
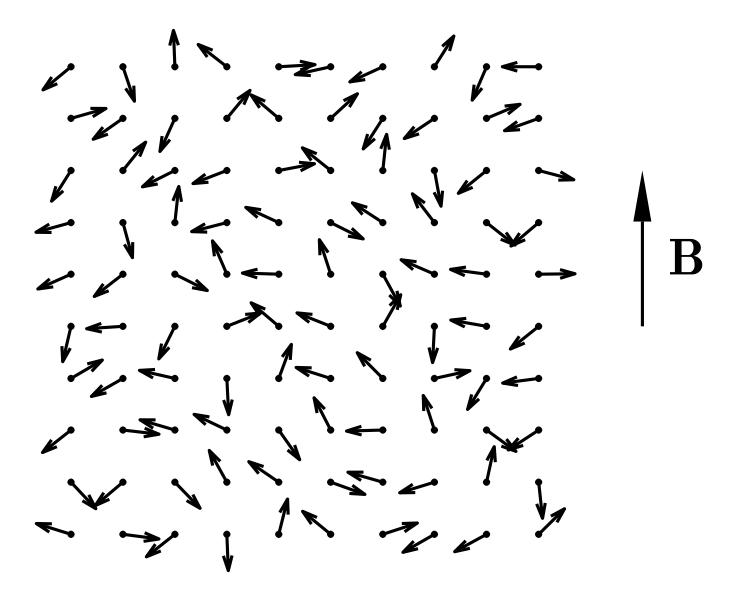
## Bose Condensation in Atomic Gasses: Cornell, Weiman, Ketterle '95

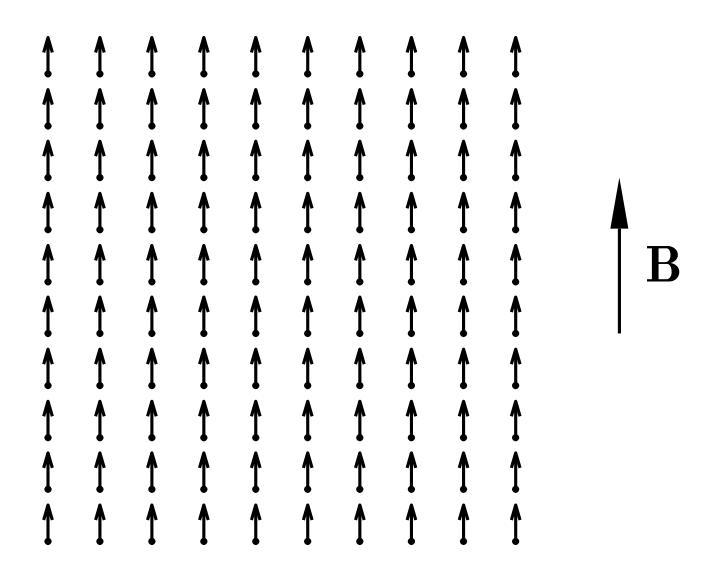


What is seen is that above a certain temperature one has a ensemble of atoms with a range of momenta.

Below specific temperature a significant fraction of the atoms are in a single quantum state, the ground state — (the blue spike).



(a) high temperature



Picture of paramagnetic material

(b) low temperature