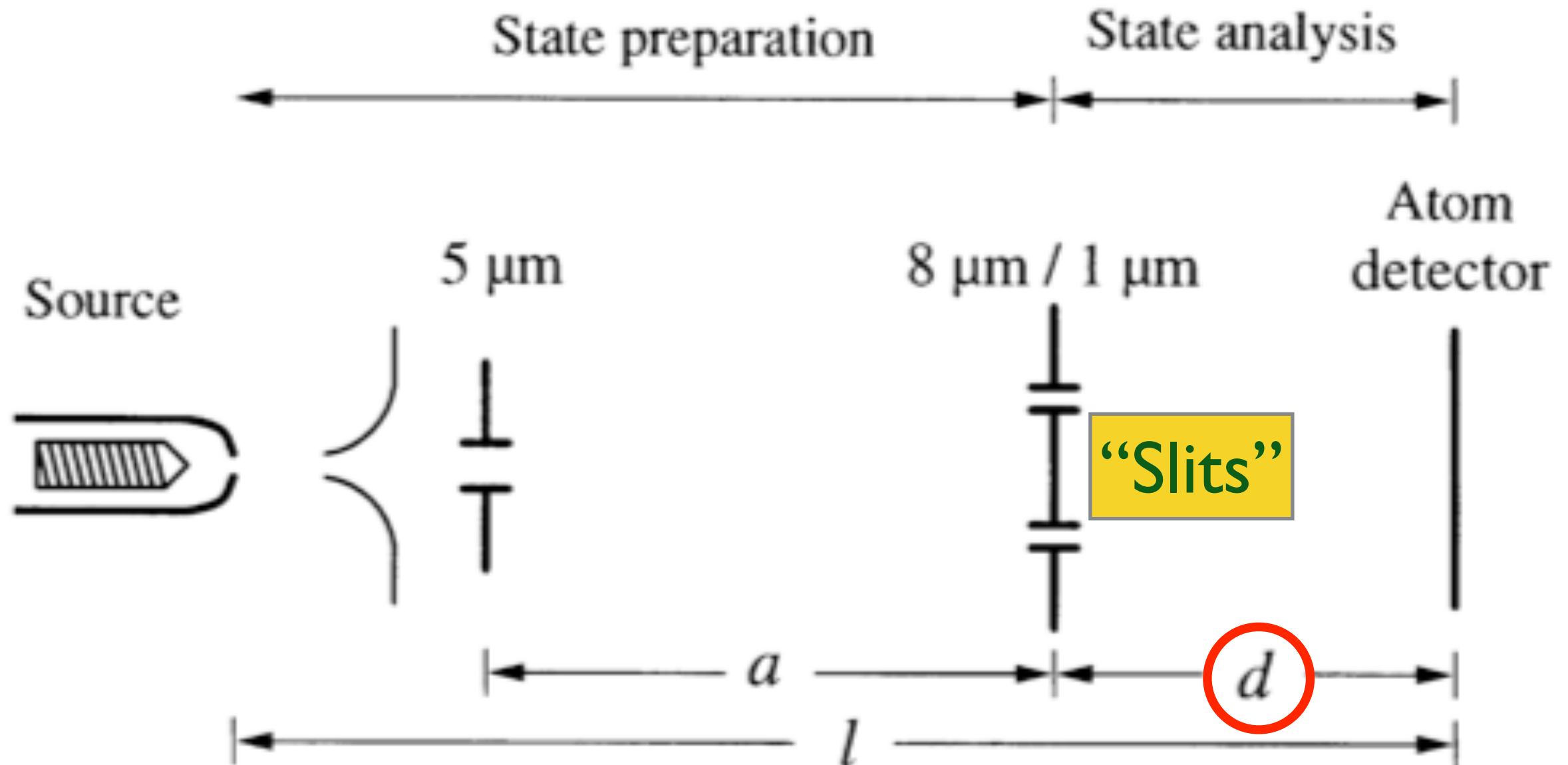


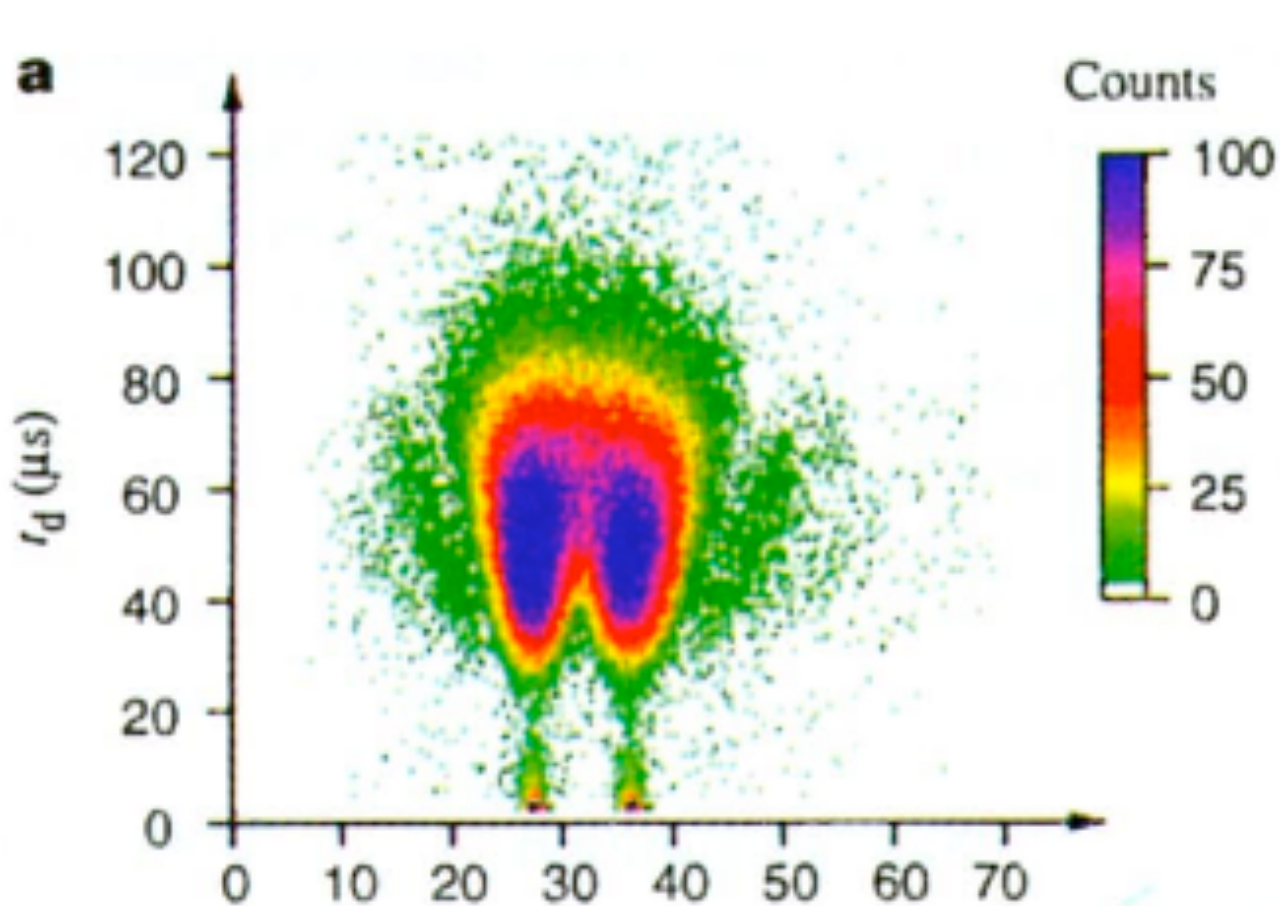
# Measurement of the Wigner function of an ensemble of helium atoms

*Nature 386(1997)150*

**Ch. Kurtsiefer, T. Pfau & J. Mlynek**

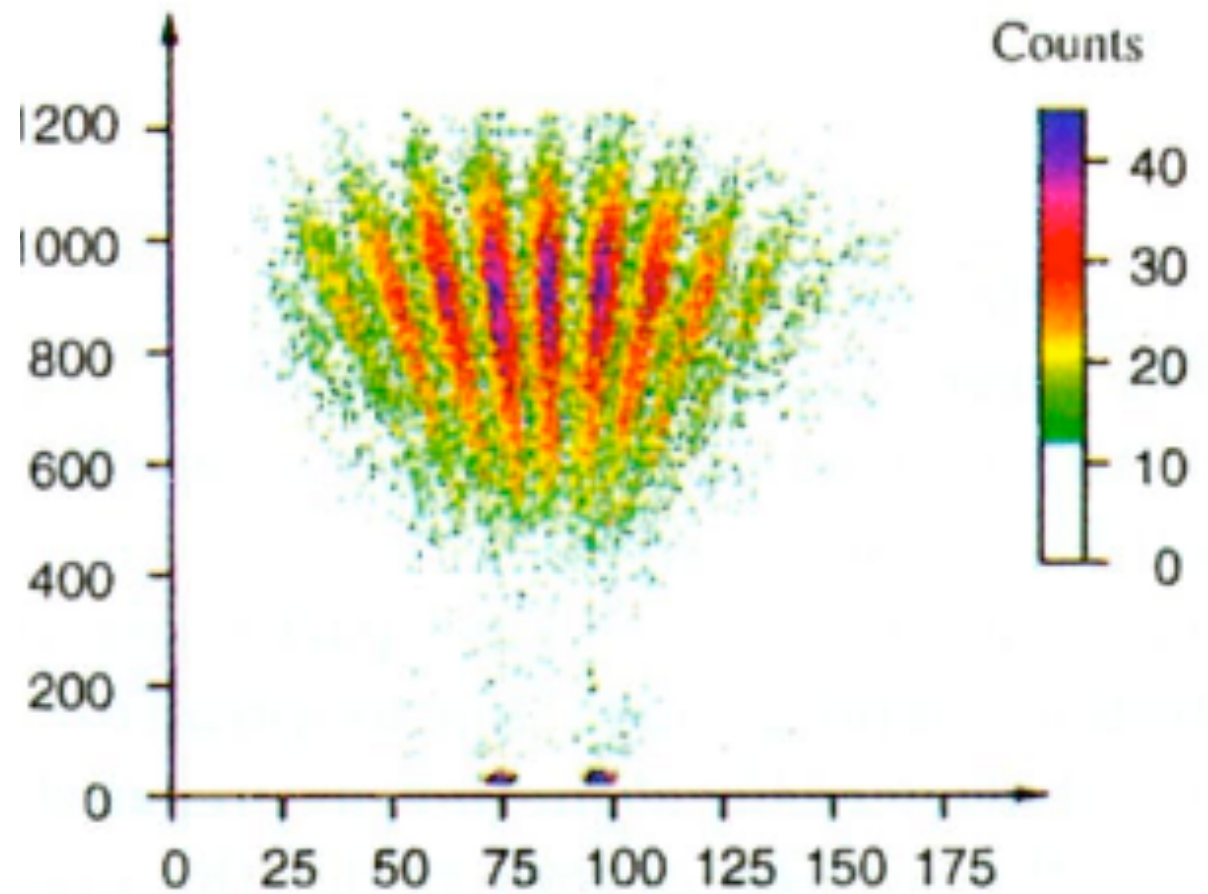
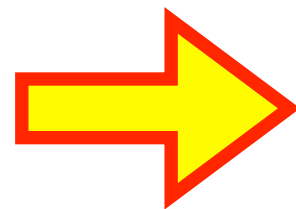
*Fakultät für Physik, Universität Konstanz, Postfach 5560, D-78434 Konstanz, Germany*





**$d=15$  cm**

*When the screen is close, all you see are the two slits.*



**$d=2$  m**

*When the screen is far away, the wavelengths overlap and you see an interference pattern.*