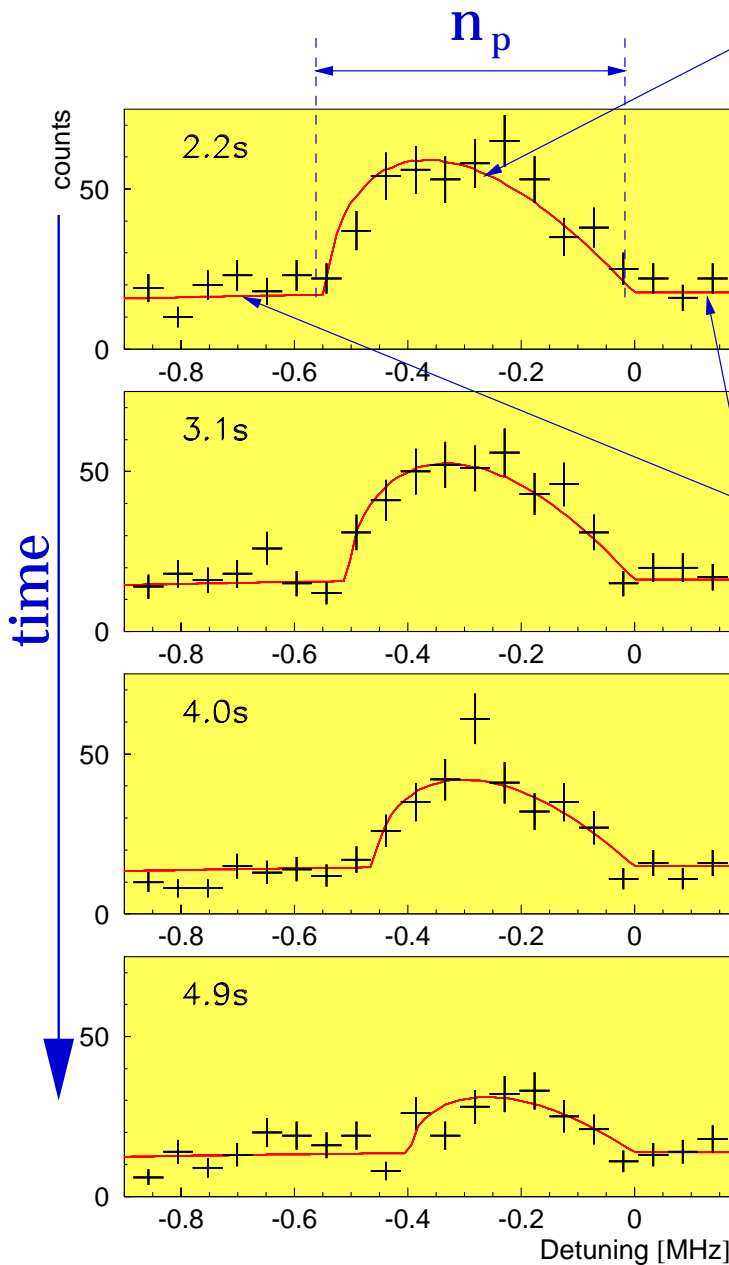


Condensate Decay



Condensate:

× Thomas-Fermi wave function

N_c scales as $n_p^{5/2}$

Normal gas:

× $T \sim 45 \mu\text{K}$

× Doppler-profile

Lifetime of pure condensate

$$\frac{\dot{N}_{2,c}}{N_c} \sim 1 \text{ sec}^{-1}$$

→ Constant replenishment