

Mass Excess

$$T: 0.016$$

$$D: 0.014$$

$$\hline 0.030$$

$${}^4\text{He}: 0.0026$$

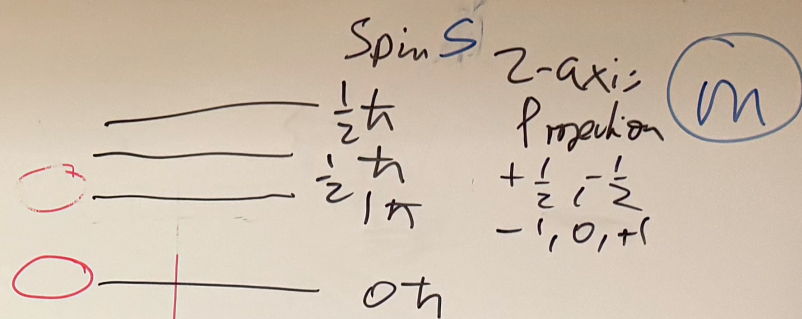
$$n: 0.0087$$

$$\hline 0.0113$$

$$T_{\text{kin}} \sim 0.019 \text{ u}$$

$$\cdot 931.494$$

$$= 17.7 \text{ MeV}$$



Fermion

$$\frac{1}{2}h, \frac{3}{2}h, \dots$$

$\Rightarrow$ Pauli Principle

$\rightarrow$ antisymmetric WF

$\rightarrow$ Fermi-Dirac Statistics

Boson

$$0, 1, 2, \dots h$$

Bose-Einstein Statistics