

The symmetry problem

- particles are indistinguishable
- fermions $\rightarrow$ Pauli principle

The w.f. must be "totally"
antisymmetric

$$\Psi = \varphi \chi^S \chi^T$$

$\downarrow \quad \downarrow \quad \downarrow \quad \downarrow$

Antis. A S S

 S A S

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