

## CHAPTER OVERVIEW

### 8: Multiparticle Systems

This chapter provides a brief introduction to quantum mechanics of systems of similar particles, with special attention to the case when they are indistinguishable. For such systems, theory predicts (and experiment confirms) very specific effects even in the case of negligible explicit ("direct") interactions between the particles. These effects notably include the Bose-Einstein condensation of bosons and the exchange interaction of fermions.

[8.1: Distinguishable and Indistinguishable Particles](#)

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