

**Perez Rojas, H.**

**On Bose-Einstein condensation in any dimension.** (English) Zbl 1044.82509  
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Summary: A general property of an ideal Bose gas as temperature tends to zero and when conditions of degeneracy are satisfied is to have an arbitrarily large population in the ground state (or in its neighborhood); thus, condensation occurs in any dimension  $D$  but for  $D \leq 2$  there is no critical temperature. Some astrophysical consequences, as well as the temperature-dependent mass case, are discussed.

**MSC:**

**82B10** Quantum equilibrium statistical mechanics (general)

**Full Text:** [DOI](#)

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