PhysicsByAaryan

CSIR NET . GATE . JEST . BARC - Physics

Grand Canonical ensemble - CSIR NET Physics PYQs

Statistical Mechanics . All PYQs (2015-2025) with answer key

1 questions . Answer key included

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Q1. [Dec 2018] . 3.5 marks

Statistical Mechanics > Grand Canonical ensemble

CSIR NET	2018 Dec	3.5M

Consider an ideal Fermi gas in a grand canonical ensemble at a constant chemical potential. The variance of the occupation number of the single particle energy level with mean occupation number $\bar{n}$ is

1. $\bar{n}(1-\bar{n})$
2. $\sqrt{\bar{n}}$
3. $\bar{n}$
4. $\frac{1}{\sqrt{\bar{n}}}$

Answer Key

1 questions . Subject and topic for quick revision

Q. No	Subject	Topic	Answer
Q1	Statistical Mechanics	Grand Canonical ensemble	**1**

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