

Deepak Dhar Awarded ICTP Dirac Medal in Statistical Physics

Theoretical physicist Deepak Dhar was awarded the Dirac Medal by ICTP for his groundbreaking contributions to statistical physics.

The Dirac Medal is an international award presented annually by ICTP for outstanding contributions to theoretical physics.

KEY EXAM POINTS

- Indian theoretical physicist **Deepak Dhar** was awarded the prestigious **Dirac Medal** by the **International Centre for Theoretical Physics** (ICTP).
- He shared the honor with three other physicists: **Bernard Derrida**, **Marc Mézard**, and **Haim Sompolinsky**.
- The Dirac Medal is announced annually on **August 8**, marking the birth anniversary of British physicist **Paul Dirac**.
- The medal specifically honors work in **theoretical physics**, including **statistical physics** and condensed matter research.
- The Dirac Medal is conferred only on physicists who have not previously won top recognitions such as the **Nobel Prize**.

STATICS & SYLLABUS FOCUS

The International Centre for Theoretical Physics (ICTP) is located in **Trieste, Italy**, and was founded in **1964** by Nobel laureate **Abdus Salam**.

Paul A.M. Dirac was a pioneer of quantum mechanics who shared the **1933 Nobel Prize in Physics** with Erwin Schrödinger.

The ICTP **Dirac Medal** was first instituted in the year **1985**.

Deepak Dhar became the first Indian physicist to win the **Boltzmann Medal** in **2022** for his contributions to statistical physics.

Statistical physics applies statistical methods and probability theory to explain the thermodynamic behavior of large assemblies of microscopic particles.

REVISION FLASHCARD

Deepak Dhar awarded ICTP Dirac Medal for contributions to statistical physics.

Syllabus Relevance: Important for Unit 1 Science and Unit 2 National & International Awards section in TNPSC Group 1 & 2 Prelims.

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