

From artificial atoms to quantum information machines: Inside the 2025 Nobel Prize in physics

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The 2025 Nobel Prize for physics recognizes original investigations in the intersection of basic and applied sciences. The prize recipients tested profound quantum mechanical hypotheses through clear and rigorous experimentation.

From those artificial atoms have emerged the audacious efforts and rapid progress in building practical quantum information machines. The combination of pure intellectual inquiries and engineering advancement has been shaping this interdisciplinary field since its creation.

This Nobel Prize is therefore a tribute to the three inventors of superconducting quantum circuits, whose inquisitive minds, broad visions and adventurous attitudes represent the true scientific spirit and will continue to inspire future generations.

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