



**Name in English:** Daniel Chee Tsui  
**Name in Chinese:** 崔琦  
**Name in Pinyin:** Cuī Qí  
**Gender:** Male  
**Birth Year:** 1939  
**Birth Place:** Henan, China

**Profession (s):** Physicist of electrical properties of thin films, microstructures of semiconductors and solid-state physics.

**Education:** BS, 1967, Augustana College in Rock Island, Illinois, and graduated Phi Beta Kappa. Ph.D. in Physics, 1970, University of Chicago, Chicago, IL.

**Awards:** 1998, Nobel Prize for Physics, and Benjamin Franklin Medal in Physics; 1984, Buckley Prize for Condensed Matter Physics. 1982 – Present: Fellow of the American Physical Society and the American Association for the Advancement of Science.

**Contribution (s):** Was a pioneer in the study of two-dimensional electrons at Bell Labs since 1968. Discovered the fractional quantum Hall effect (Nobel prize) shortly before appointed a professor of Electrical Engineering at Princeton in 1982 and has been since then. In 1998, along with Horst L. Störmer of Columbia University and Robert Laughlin of Stanford, Daniel Tsui was awarded the Nobel Prize in Physics for his contributions to the discovery of the fractional quantum Hall effect by the Royal Swedish Academy of Sciences.

**Publications:** L.W. Engel, Y.P. Li, D.C. Tsui, "Quantum Hall effect from finite frequency studies" Phys. B. 227, 173 (1996).

C.J. Chen, C. Kurdak, D.C. Tsui, and K.K. Choi, "Separation of partition noise from generation-recombination noise in a three terminal quantum well infrared detector," Appl. Phys. Lett. 68, 2535(1996).

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D. Shahar, D.C. Tsui, M. Shayegan, J.E. Cunningham, E. Shimshoni, and S.L. Sondhi, "The nature of the Hall insulator," Solid State Commun. 102 (1997).

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S.H. Song, D. Shahar, D.C. Tsui, Y.H. Xie, and D. Monroe, "New Universality at the magnetic field driven insulator to integer quantum Hall effect transitions," Phys. Rev. Lett. 78, 2200(1997).

C.C. Li, L.W. Engel, D. Shahar, D.C. Tsui, and M. Shayegan, "Microwave conductivity resonance of a two-dimensional hole system," Phys. Rev. Lett. 79, 1353 (1997).

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