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Horst Ludwig Störmer (born April 6, 1949 in Frankfurt, Germany) is a German physicist who shared the 1998 Nobel Prize in Physics with Daniel Tsui and Robert Laughlin. The three shared the prize "for their discovery of a new form of quantum fluid with fractionally charged excitations" (the fractional quantum Hall effect).

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He and Tsui worked at Bell Labs at the time of the experiment cited by the Nobel committee, though the experiment itself was carried out in a laboratory at the Massachusetts Institute of Technology. (Laughlin did not participate in the experiment but was later able to explain its results.) Horst Störmer studied physics at the J.W. Goethe-Universität at Frankfurt am Main. Since 1997 Störmer has been a professor of physics and applied physics at Columbia University in New York.

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