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SCHRÖDINGER

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SERIES

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PROF. ROCKY KOLB The University of Chicago
Erwin Schrödinger's Alarming Phenomenon

In 1939 Erwin Schrödinger wrote the first paper that pointed out that particle – antiparticle pairs can be created simply by the expansion of space. Particles spontaneously appearing out of the vacuum so disturbed Schrödinger that he referred to it as an alarming phenomenon. Particle creation in the expanding universe is now thought to be the origin of density fluctuations produced in inflation as well as a background of gravitons detectable as a gravitational wave signal.

