

#### **Cover picture**

An event image from the STAR collaboration's Time Projection Chamber. Courtesy of Brookhaven National Laboratory

# Journal of Physics G: Nuclear and Particle Physics

www.iop.org/journals/jphysg



#### **Cover picture**

A head-on gold-on-gold collision at the Brookhaven National Laboratory Relativistic Heavy Ion Collider as viewed by the PHENIX experiment. Over 200 particles are visible emerging from the collision in the center of the image. Courtesy of Brookhaven National Laboratory / RHIC-PHENIX

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#### **Cover picture**

Bouncing Waves by Michael Berry/Novartis/Daily Telegraph/Visions of Science.

Image generated by computer in collaboration with Irene Marzoli (Physics Department, Camerino, Italy), from the Schrödinger equation, illustrating wave-particle duality, a key concept in quantum physics. The image shows a wave, representing a quantum particle, bouncing between two walls (at the left and right sides of the picture). The probability of finding the particle is colour coded, with red the most probable and black the least probable. Initially the wave is localized and moving to the right (bottom of picture). It hits the wall and interferes with its reflection. Then the wave moves to the left and spreads before it gets reflected at the left wall and interferes again.

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## Journal of Micromechanics and Microengineering



#### **Cover picture**

A successful case of the micro-coil on PI substrate. **H Yang and C-T Pan** 2002 *Journal of Micromechanics and Microengineering* **2** 157-161

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# **Journal of Physics: Condensed Matter**



#### **Cover picture**

Crystal x-ray diffraction pattern calculated at the exact Bragg position. I A Vartanyants and I K Robinson 2002 Journal of Physics: Condensed Matter 47 10593-10611

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