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False-color image of the velocity distribution in a cloud of rubidium atoms that have formed a Bose-Einstein condensate. Color indicates the density of atoms having the velocity specified by the two horizontal axes. The high-density blue and white spire is an image of low-energy atoms that have condensed into a single quantum state. The average speed of the atoms in the spire is about 0.5 millimeter per second. See page 198 and the related News story on page 152 and the Perspective on page 182. [Image: M. R. Matthews]