

Velocity mode populations resulting from a simulated collision of two identical Bose-Einstein condensates of 3 million sodium atoms each. The top images show the $v_z = 0$ and $v_x = 0$ planes, respectively, at $t = 0$; the bottom images are at $t = 0.5$ ms. The turbulence observed in the scattering halo (circular feature in bottom images) arises from amplification of the initial quantum vacuum fluctuations. See article 040401.

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