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COVER Electron distribution in C_{60} (buckminsterfullerene) at 1000 kelvin (foreground: diameter, 7.1 angstroms), obtained from quantum molecular dynamics simulations. The colors yellow, green, and blue denote regions of successively greater electron density. The atomic structure of C_{60} (background) consists of five- and six-membered rings arranged in the shape of a soccer ball. See Editorial, page 1705, and Molecule of the Year, page 1706. [Simulations and image by J. Bernholc, Q.-M. Zhang, J.-Y. Yi, and C. Brabec, North Carolina State University, and T. Palmer, North Carolina Supercomputing Center]

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