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The National High Magnetic Field Laboratory, or Magnet Lab, is a national user laboratory that provides state-of-the-art facilities for magnet-related research in all areas of science and engineering, including biology, medicine, chemistry, geochemistry, bio-engineering, materials science, and physics. It is one of the nine laboratories of its kind in the world. The Magnet Lab is supported by the National Science Foundation and the State of Florida. It is operated by Florida State University, the University of Florida, and Los Alamos National Laboratory, with unique facilities at all three campuses. Users come from universities, private industry, and government laboratories worldwide.

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