

Scientists moving 15-ton magnet from NY to Chicago

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A model of the truck that will be used to transport the Muon g-2 ring, placed on a streetscape for scale. The truck will be escorted by police and other vehicles when it moves from Brookhaven National Laboratory in New York to a barge, and then from the barge to Fermi National Accelerator Laboratory in Illinois. Credit: Fermilab

A 50-foot-wide electromagnet built in suburban New York is headed on a five-week journey to Chicago.

The electromagnet weighs at least 15 tons and was the largest in the world when it was built by scientists at Brookhaven National Laboratory in the 1990s.

Brookhaven scientists no longer have a need for the electromagnet, so it is being moved to the Fermi laboratory, where it will be used in a new experiment called Muon g-2. (MEW'-on jee-minus-two).

The results could create [new discoveries](#) in the realm of [particle physics](#).

The magnet will be taken by barge down the Atlantic, around Florida, then up the Mississippi River to Illinois.

The move is expected to cost about \$3 million. But constructing an entirely new [electromagnet](#) could cost as much as \$30 million.

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