

Three items: Fission fragments weighed, Nature's smallest dumbbell, and Magnetic microcoils

It's a relief to read about nuclear work that doesn't have politics associated with it.

About Physics
January 22, 2006

A team of scientists from the University of Jyväskylä in Finland has for the first time made high-precision mass measurements of a number of isotopes produced in proton-induced fission reactions of uranium, including strontium, zirconium, and molybdenum.

An international consortium has succeeded in making a dumbbell far smaller: a beryllium-10 nucleus consisting of two alpha particles with two neutrons flying between acting as a sort of nuclear bonding agency.

Scientists in Singapore have devised magnetic micro-coils for moving beads along a microfluidic track.