

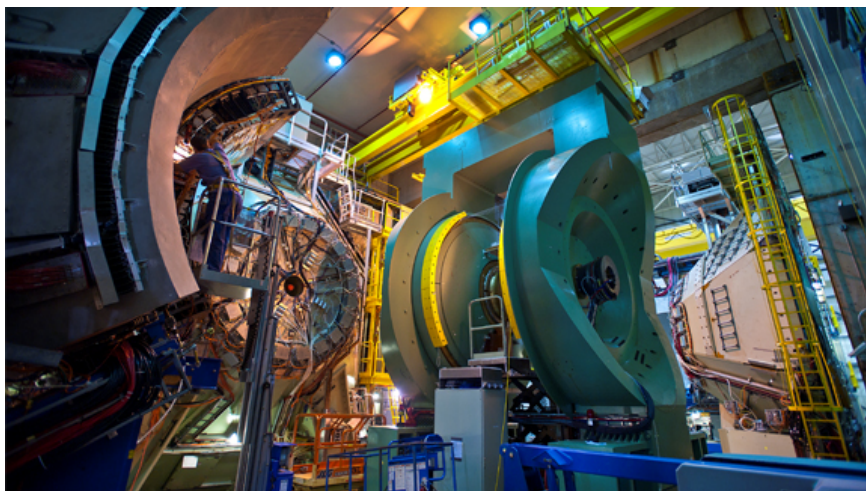
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### Tiny Drops of Early Universe 'Perfect' Fluid

First results from collisions of three-particle ions with gold nuclei reveal clear-cut evidence of primordial soup's signature particle flow.

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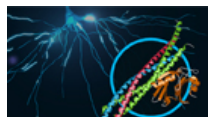
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#### Antimatter Catches a Wave at SLAC

Accelerating positrons with plasma is a step toward smaller and cheaper particle colliders. [Read More](#)



#### Scientists Discover Atomic-Resolution Details of Brain Signaling

X-ray laser experiment at SLAC National Accelerator Laboratory reveals never-before seen neural messaging details which could help in designing new drugs for brain disorders. [Read More](#)



#### In the International Year of Soils, EMSL Researchers Dig Deep

Researchers at EMSL study the components and inhabitants of soil communities, gathering data to better understand and model how factors – agriculture, climate changes, ecosystems activities – change soil chemistry. [Read More »](#)

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#### NMSU Physics Department Granted \$465,000 for Nuclear and Particle Physics Research

A project within the New Mexico State University Department of Physics has been awarded \$465,000, bringing its total funding to more than \$10,000,000 and allowing the department to remain at the forefront of experimental nuclear and particle physics.

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#### How to Spawn an "Exceptional Ring"

MIT researchers create exotic states that could lead to new kinds of sensors and optical devices.

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#### Mesoscale Science Research Highlighted on Materials Journal Cover

The work at Nanostructures for Electrical Energy Storage – an Energy Frontier Research Center at the University of Maryland – has been featured in the journal, Current Opinion in Solid State and Materials Science.

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#### Nocturnal Storm Chasers Collect "Fantastic" Data Set to Improve Forecasts

09.14.15 Through this past summer's PECAN (Plains Elevated Convection at Night) campaign, a large collaboration of scientists spent their nights gathering data about unpredictable storms on the Great Plains, hoping to improve weather forecasts, keep people safer and allow everyone to get a better night's sleep.

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#### Extreme Pressure Causes Osmium to Change State of Matter

09.11.15 Using metallic osmium (Os) in experimentation, an international group of researchers have demonstrated that ultra-high pressures cause core electrons to interplay, which results in experimentally observed anomalies in the compression behavior of the material.

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#### SLAC's Ultrafast 'Electron Camera' Visualizes Ripples in 2-D Material

09.10.15 New research led by scientists from the Department of Energy's SLAC National Accelerator Laboratory and Stanford University shows how individual atoms move in trillionths of a second to form wrinkles on a three-atom-thick material.

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