

## **J-PARC Facility Succeeds in Generating High-intensity Muon Beam**

On September 29, the Japan Proton Accelerator Research Complex (J-PARC) succeeded in extracting the first muon beam using the Muon Source Extension (MUSE) at its Materials and Life Science Facility (MLF). Full-scale usage of the equipment is scheduled to commence in April 2009. The success in generating muon beams comes on the heels of J-PARC's earlier success in producing neutron beams earlier this year, in May.

Until now, the High Energy Accelerator Research Organization (KEK), which jointly constructed J-PARC with the Japan Atomic Energy Agency (JAEA), had used MUSE primarily for research purposes. Now, however, J-PARC expects broader applications after having generated muon beams with more than ten times the original intensity.

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