

Test for FBR safety (Development of SASS)

The Self-Actuated Shutdown System (SASS) using temperature sensitive magnetic material has been developed as an innovative reactor safety system. Two tests for SASS are planned in JOYO MK-III core. The element irradiation test provides basic magnetic characteristics data under the irradiation. The component function test will demonstrate control rod holding ability by means of curie point electromagnet. SASS is expected to enhance the reliability of fast reactor shutdown system.

