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Analysis of Irradiation Ability of China Experimental Fast Reactor

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China Experimental Fast Reactor (CEFR) has completed physics start-up tests in 2010 and connected the grid on FP in 2014. Characteristic of neutron field for irradiation in CEFR has been researched by calculation and experiments. In future, CEFR will be operated as an irradiation test facility for fuel, material and other application, and some irradiation projects, such as irradiation of cladding material, MOX fuel and (U, Np)O₂ pellet have been planned. Now some irradiation rigs have been developed and some irradiation experiments have been carried out in CEFR. In the future, some irradiation channels in rotation plug will be updated for strengthening the irradiation ability of CEFR.

Country/Int. Organization

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