

## Utilization of J-PARC

### -Research Plan with Neutron-Nucleus Reaction Measurement Facilities-

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We proposed installing “Neutron-Nucleus Reaction Measurement Facilities” in the Materials and Life Science Facility (MLF) in the High-Intensity Proton Accelerator Project (J-PARC: Japan Proton Accelerator Research Complex) in 2002 to conduct three research projects: (1) fast-neutron reaction and nuclear astrophysics, (2) neutron nuclear data on minor actinides and long-lived fission products, and (3) all-elements simultaneous, non-destructive and high-sensitivity nuclide-quantification. Fortunately, the proposal was approved in 2004. MLF will receive the first 3-GeV proton beam by the end of 2007, and will provide test neutron beams for users in 2008. In this contribution, the research plan with our facilities will be presented.