

Abstract Submitted
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Measurements of neutron capture cross sections using a NaI(Tl) spectrometer at the J-PARC MLF neutron nucleus reaction instrument¹

TATSUYA KATABUCHI, MASAYUKI IGASHIRA, MOTOHARU MIZUMOTO, Tokyo Institute of Technology, KAZUYOSHI FURUTAKA, SHINJI GOKO, HIDEO HARADA, ATSUSHI KIMURA, TADAHIRO KIN, FUMITO KITATANI, MITSUO KOIZUMI, SHOJI NAKAMURA, MASAYUKI OHTA, MASUMI OSHIMA, YOSUKE TOH, Japan Atomic Energy Agency, MICHIIHIRO FURUSAKA, FUJIO HIRAGA, TAKASHI KAMIYAMA, KOICHI KINO, YOSHIAKI KIYANAGI, Hokkaido University, TOSHIYUKI FUJII, JUN-ICHI HORI, KOICHI TAKAMIYA, Kyoto University — A project to measure neutron capture cross sections of minor actinides and long-lived fission fragments have been started at the neutron nucleus reaction instrument (NNRI) in the Materials and Life science Facility (MLF) of the Japan Proton Accelerator Research Complex (J-PARC). We have installed a NaI(Tl) spectrometer in NNRI to detect neutron capture gamma-rays from a sample. Preliminary experimental results will be described.

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