

# Research Project on the development of evaluation methods for inspection systems of radioactive materials in foods

Takahiro Yamada<sup>1,2</sup>, Katsumasa Furutaka<sup>2</sup>, Naoto Yamashita<sup>3</sup> Mayumi Hachinohe<sup>4</sup> and Akiko Hachisuka<sup>5</sup>  
AERI, Kindai Univ.<sup>1</sup>, Grad.Sch. Kindai<sup>2</sup>, Fac.S&E Kindai<sup>3</sup>, NARO<sup>4</sup>, NIHS<sup>5</sup>



1W reactor mascot

- Evaluation methods for the inspection system regarding radioactivity in foods are developing for future revision of the guide line.
- Applicability of non-destructive testing method, which maintains the commercial value of food products and enables total inspection, to the official food inspection was investigated (Details are represented as O068).
- Radioactivity distribution in foodstuffs were determined by the Imaging Plate tech. and the  $\gamma$ -spec.
- Uncertainty evaluation in gamma-ray spectrometry arising from heterogeneity of radioactivity in foods was carried out by use of heterogeneity obtained from real sample measurements.

**Poster 122**

