CENTRE D'ETUDES NUCLÉAIRES DE BORDEAUX-GRADIGNAN

Vendredi 3 Juillet 2015

à

11H

Un café sera servi à partir de 10h45

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Beta decay studies around ^{78}Ni: Investigation of neutron rich Ni isotopes

The beta decay of $^{70-74}$Co and other species in the vicinity of ^{78}Ni has been investigated following the relativistic fission of a ^{238}U primary beam at the Radioactive Ion Beam Factory facility in RIKEN, as part of the EURICA campaign. Extremely neutron-rich nuclei from Mn to Cu were produced and stopped in a state-of-the-art beta-decay spectroscopy setup after their in-flight identification. The unprecedented high intensity of the primary beam, 10 pnA, ensures the access to a broad number of low-lying excited states in their daughters.

In the present seminar, specific details on the setup and the experimental techniques employed will be given. As well, the preliminary results will be discussed.

Salle des Séminaires du CENBG

Le Haut Vigneau - BP 120 - F-33175 Gradignan Cedex