

# *RCNP SEMINAR*

Title            The study of fundamental interactions and  
symmetries with radioactive isotope

Speaker        Prof. H.W. Wilschut  
(Kernfysisch Versneller Instituut, University of Groningen)

Time&Date    March 2nd (Tue), 15:00-

Place           Lecture room, 4th floor , RCNP, Osaka University

## Abstract

We have recently completed the experimental facilities for the TRI $\mu$ P program. The acronym stands for Trapped Radioactive Isotopes, micro( $\mu$ )laboratories for fundamental Physics. In the study of fundamental symmetries and interactions, radioactive isotopes can play an important role as a result of their specific atomic and nuclear properties. We discuss the experimental facilities with emphasis on the production of alkali and alkaline-earth elements and the use of atomic and ion traps and results obtained so far in the preparation of experiments measuring time-reversal violation and atomic parity violation.