

Abstract Submitted  
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**CRIB enhanced with a Wien Filter for Astrophysical studies** H. YAMAGUCHI, A. SAITO, J.J. HE, Y. WAKABAYASHI, G. AMADIO, H. FUJIKAWA, S. KUBONO, N. YAMAZAKI, Center for Nuclear Study, University of Tokyo, T. TERANISHI, Department of Physics, Kyushu University, M. NIIKURA, Center for Nuclear Study, University of Tokyo, Y. YANAGISAWA, S. MICHIMASA, S. NISHIMURA, M. NISHIMURA, RIKEN, Z. FULOP, Z. ELEKES, ATOMKI — CRIB (CNS Radioactive Ion Beam separator) is a facility at which low-energy and pure radioactive ion (RI) beams can be produced by in-flight separation method. Many astrophysical reactions have been studied at CRIB, mainly by the proton elastic resonance scattering method. In the recent few years, we have developed a Wien filter system for CRIB, in order to have a better separation power for the RI beams. The design and structure of the Wien filter, results of beam separation tests using it, and latest applications for nuclear astrophysics will be presented in this talk.

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