



独立行政法人理化学研究所 仁科加速器研究センター
第145回RIBF核物理セミナー/加速器セミナー
RIKEN Nishina Center for Accelerator Based Science
The 145th RIBF Nuclear Physics Seminar/Accelerator Seminar

Cyclotrons -- New Sources for Neutrino Physics

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Over the past decade, many exciting discoveries have occurred in the field of neutrino physics. Now, to move forward, we need to develop new, powerful sources for neutrinos. In this talk, I will review the recent discoveries in the field.

I will then discuss the use of cyclotrons to make "decay-at-rest" neutrino sources. These sources are unique in that the particle content and energy distribution are very well known. This opens many opportunities for the future, especially making use of existing and planned detectors in Japan.

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