



独立行政法人理化学研究所 仁科加速器研究センター

第54回RIBF核物理セミナー

RIKEN Nishina Center for Accelerator Based Science

The 54<sup>th</sup> RIBF Nuclear Physics Seminar

## Recent experiments at the Berkeley 88" Cyclotron

Dr. Julien GIBELIN

(Lawrence Berkeley National Laboratory)

We will present the last experiments performed at the Berkeley 88 cyclotron, with the help of the experimental setup STARS+LiBerACE (charged particles and gamma detection). This versatile array allows us to carry out very different types of experiments and we will focus on the indirect determination of neutron induced reaction using the so-called Surrogate method, the study of the astrophysical reaction  $3\alpha \rightarrow ^{12}\text{C}$  and gamma spectroscopy of neutron rich nuclei using fusion/evaporation reaction with stable beams.

Dec. 25 (Tue), 2007 10:30-  
RIBF Conf. Hall, RIKEN

*The seminar will be given in English.*

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