



国立研究開発法人理化学研究所 仁科加速器研究センター
第216回 RIBF核物理セミナー
RIKEN Nishina Center for Accelerator Based Science
The 216th RIBF Nuclear Physics Seminar

Recent experimental studies for unbound oxygen isotopes

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I will introduce recent studies for the unbound oxygen isotopes 25-28O. It is experimentally known that the neutron drip line suddenly changes from oxygen (24O, N=16) to fluorine (31F, N=22). The origin of the unexpected behavior has not been clarified yet. Motivated by this, two experimental studies were performed to investigate the unbound oxygen isotopes 25-28O by using SAMURAI combined with high intense RI beams provided by RIBF. I will present the recent results on 25O and 26O and introduce the second experiment for 27O and possible doubly magic nucleus 28O.

* The talk will be given in English language..

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