



独立行政法人理化学研究所 仁科加速器研究センター
第76回RIBF核物理セミナー

RIKEN Nishina Center for Accelerator Based Science
The 76th RIBF Nuclear Physics Seminar

Decay Properties of ^{266}Bh and ^{262}Db Produced in the $^{248}\text{Cm} + ^{23}\text{Na}$ Reaction

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Decay properties of an isotope ^{266}Bh and its daughter nucleus ^{262}Db produced by the $^{248}\text{Cm}(^{23}\text{Na}, 5n)$ reaction were studied by using a gas-filled recoil separator coupled with a position-sensitive semiconductor detector. ^{266}Bh was clearly identified from the correlation of the known nuclide, ^{262}Db . The obtained decay properties of ^{266}Bh and ^{262}Db are consistent with those observed in the $^{278}[113]$ chain, which provided further confirmation of the discovery of $^{278}[113]$.

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The seminar will be given in Japanese.

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