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Improvement of beta-ion position association in implantation detector WAS3ABI and beta-gamma spectroscopy of neutron-rich Mo isotopes

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In the EURICA experiment, beta-ray events and ion events are separately recorded and it requires an algorithm for associating the beta events and the ion events. We have developed more elaborate methods to increase the correlated events by using beta-ray tracking and ion position correction. Based on the new algorithm, the level-schemes of neutron-rich Mo isotopes are under investigation. Hopefully, it might produce the first result on the level scheme of ^{112}Mo or heavier isotopes.

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