

## Half-life measurement of 107-keV isomeric state in $^{45}\text{Cr}$

We did the experiment that carried out mass measurements around  $^{47}\text{Fe}$  in May 2022. Then, we made a lot of unstable nuclei. Some of them emitted  $\gamma$ -rays and backed to ground state. These  $\gamma$ -rays measured by Ge detector. In this experiment, we succeeded in measuring the half-life of the 107-keV isomeric state in  $^{45}\text{Cr}$ .

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