Contribution ID: **28** Type: **Short Oral**

Offline measurement of high-spin 178m2Hf isomer

Wednesday, 7 September 2016 11:50 (15 minutes)

There are a number of isomeric states in the mass range around A = 180.
The most interesting one in this region would be the long-lived
high-spin 178m2Hf isomer.
If a target which contains nanogram quantities of 178m2Hf is fabricated, the door to explore high-spin nuclear reactions will be opened. To this end, we performed a feasibility study to produce the isomeric state using the fusion reaction 176Yb(a,2n)178m2Hf at RIKEN. After irradiation of an alpha beam, we carried out an offline measurement of the activity using EURICA.
In this talk, preliminary results of the data analysis will be presented.

Primary authors: Dr IMAI, Nobuaki (IPNS, KEK); Mr KITAMURA, Noritaka (Center for Nuclear Study, University of Tokyo)

Presenter: Mr KITAMURA, Noritaka (Center for Nuclear Study, University of Tokyo)

Session Classification: Neutron-rich nuclei