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Production of very neutron-rich nuclei via two-proton knockout reaction with deuterium-operation of MINOS

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Production cross section of neutron-rich nuclei has been measured with a deuterium operation of the MINOS setup at the SAMURAI. Secondary beams, consisting mainly of ^{58}Ti , ^{57}Sc , ^{51}K , were irradiated on the liquid deuterium target and their fragments were identified with the SAMURAI spectrometer. Cross sections for one and two proton removal and charge exchange reactions will be reported in the workshop.

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