

Research Result Report **ICRR Inter-University Research Program 2023**

Research Subject:

Research and Development for XENONnT and future Dark Matter Searches

Principal Investigator:

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Participating Researchers:

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Summary of Research Result :

Continued to take science data with XENONnT, published our first nuclear recoil results (the first blind analysis published for this generation of liquid xenon detectors), and demonstrated the neutron veto performance with 10% of the target gadolinium loading.

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