

# Implementation of GET readout system for heavy RI collision experiment with SPiRIT-TPC at RIBF

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The SPiRIT is designed for the heavy RI collision experiment, where Time Projection Chamber(TPC) with 12k pixelized readout pads is employed as the main device of the experiment.

As TPC is located on the beam line, the readout electronic should work for detecting  $Z=1$  particle under the environment where heavy ions, such as  $Z\sim 50$  ions, are passing through.

The readout system, including the electronics and DAQ, for the SPiRIT experiment will be discussed.

Owing to the high speed readout system of GET, 270 time-bucket readout with 25MHz sampling was functioned well under the DAQ rate of 60Hz.

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