

## Evaluation of position detector SR-PPAC using ASAGI ASD readout electronics

The beamlines at RIBF of RIKEN use a delay-line parallel plate avalanche counter (DL-PPAC) as a standard heavy-ion detector. On the other hand, we are developing Strip-Readout PPAC (SR-PPAC), which reads out signals for each strip and raise position resolution by taking the weighted average of charge information. SR-PPAC uses the RPA-132 preamplifier discriminator developed by Hayashi Repic Co., Ltd. as a cathode strip readout electronics. However, RPA132 has low gain for SR-PPAC and it will not be available commercially. Therefore, the aim is to evaluate the specification of the ASAGI (AGASA based General Interface for wire) ASD readout electronics currently under development by the SPADI-Alliance, led by Osaka University RCNP, and to evaluate the position resolution and time resolution of SR-PPAC with ASAGI.

### Research field of your presentation

Experimental Low-energy nuclear physics

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