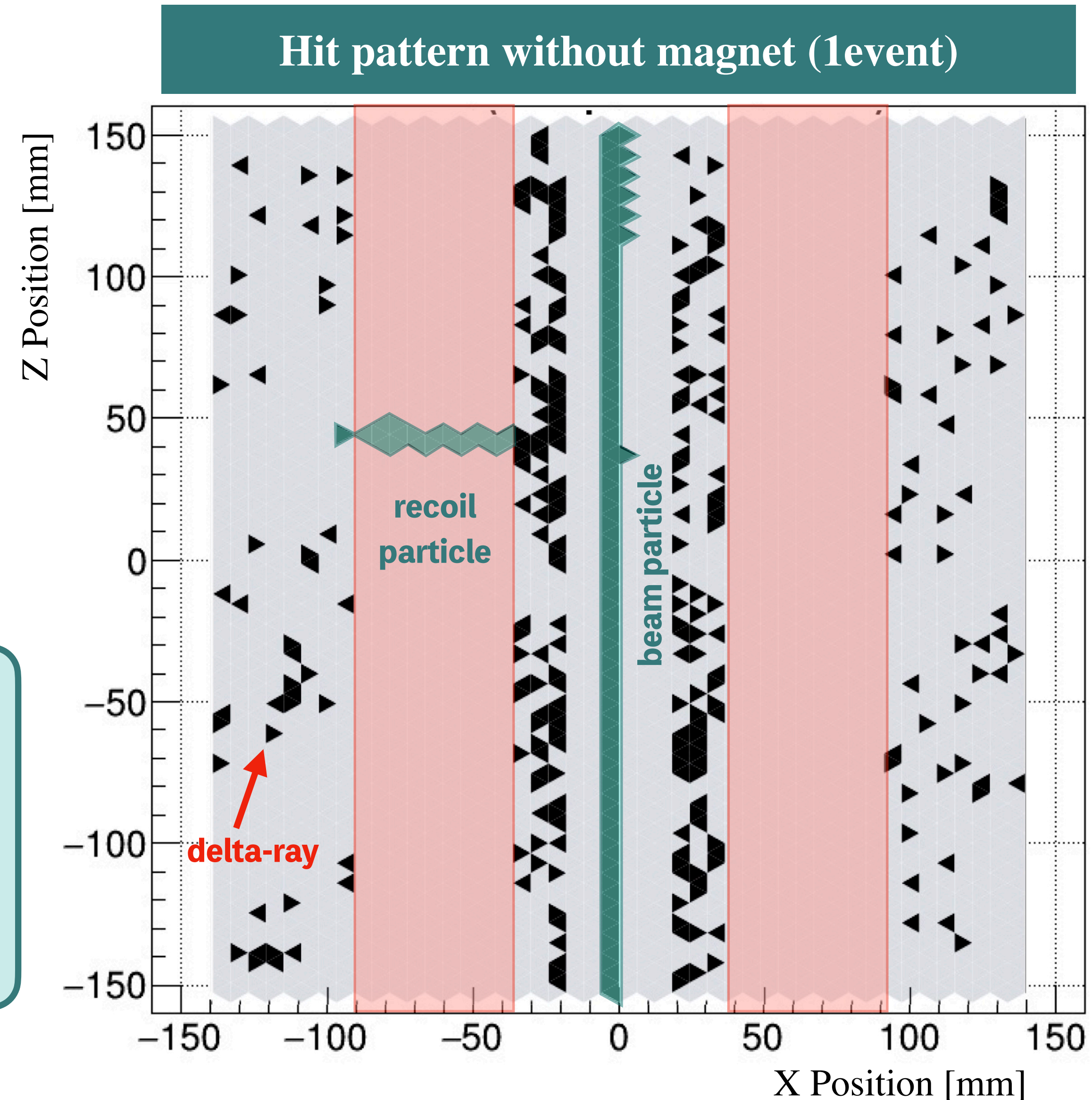


Toward next generation streaming readout system for TPC

Why do we need a new TPC DAQ platform?

- GET has been the de facto standard DAQ
 - Common **zero-suppression** / **trigger threshold**
 - AGET chip discontinuation
- Demand for streaming data acquisition
- Shared motivation in Japanese TPC projects

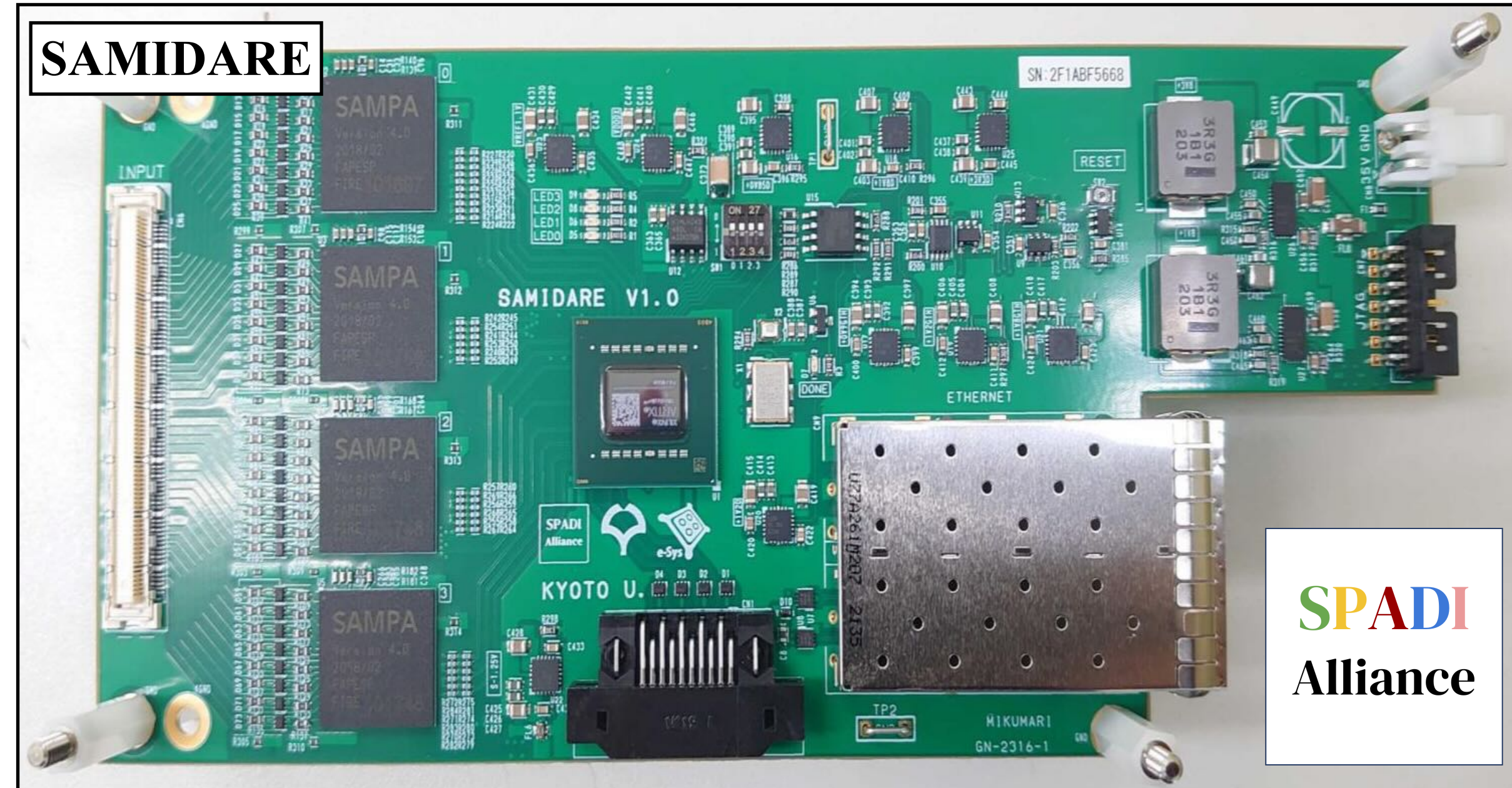
A sustainable general-purpose digitizer for streaming waveform readout is needed.



What we will demonstrate in our poster sessions

SAMPA-based High-Integrated Data Readout (SAMIDARE)

- Device information
 - Input : 128ch (SAMPA x4)
 - ASIC : SAMPA_v4 (32 ch / chip)
 - Firmware development
 - Trigger management
 - Event build / Data transportation
- **Detail : Claudio's poster (#140)**



Performance test using Mini TPC

- First times to test using TPC
 - Pedestal noise
 - Consistency with another streaming DAQ
- **Detail : this poster (#194)**

