INTT weekly meeting

2021/06/16
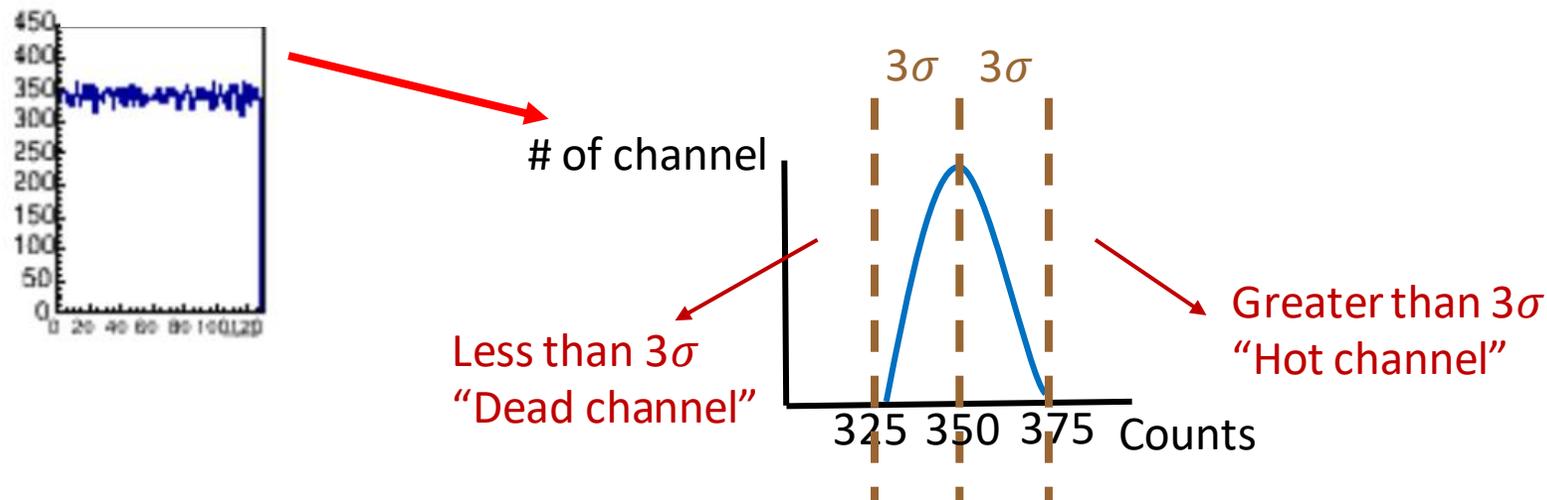
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Classification for ladders

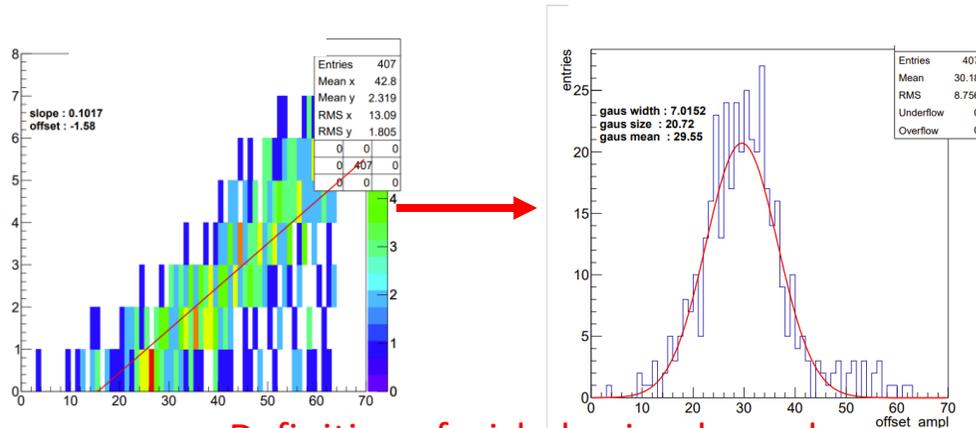**STEP 1. Project all channels of ladders on Y-axis**

3σ 3σ

# of channel

Less than 3σ
"Dead channel"

Greater than 3σ
"Hot channel"

325   350   375   Counts

STEP 2. Classify ladders with number of many dead, hot or misbehavior channels

Class 1
Class 2
Class 3
Class 4

# of ladder

# of dead channel

Class 1
Class 2
Class 3
Class 4

# of ladder
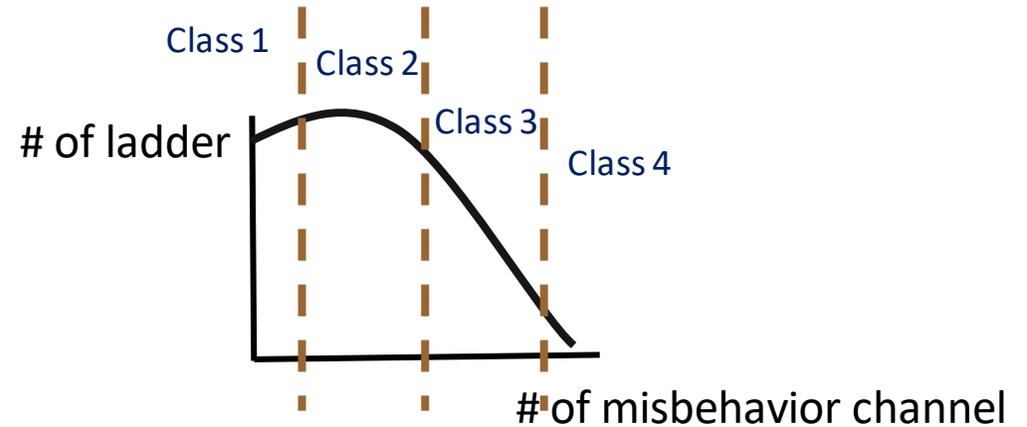
# of hot channel
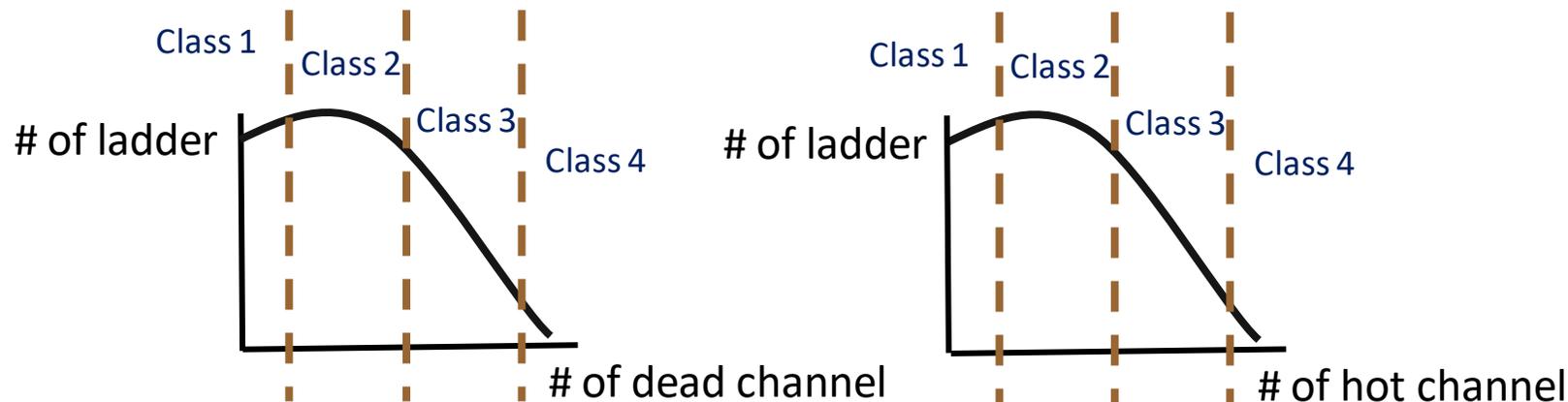
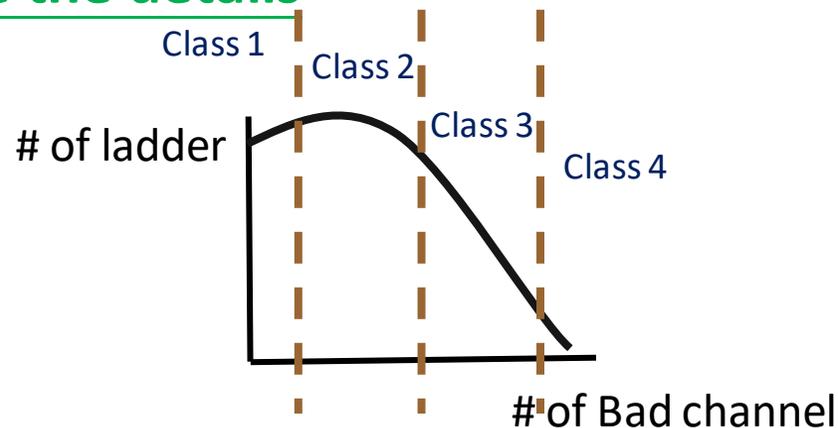# Classification for ladders

Continuing STEP 2.

Definition of misbehavior channel:
Width of Gaussian > 4 or so

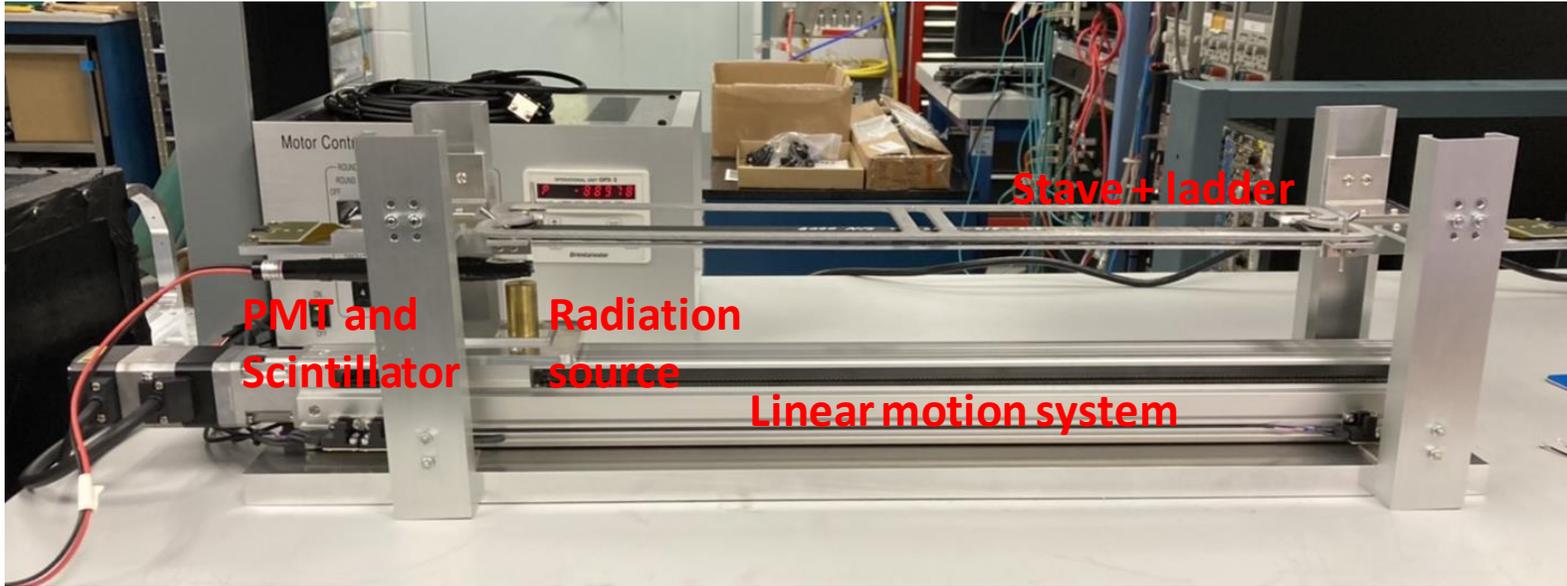## STEP 3. Plot the distribution with either dead, hot or misbehavior channels, and Store the details
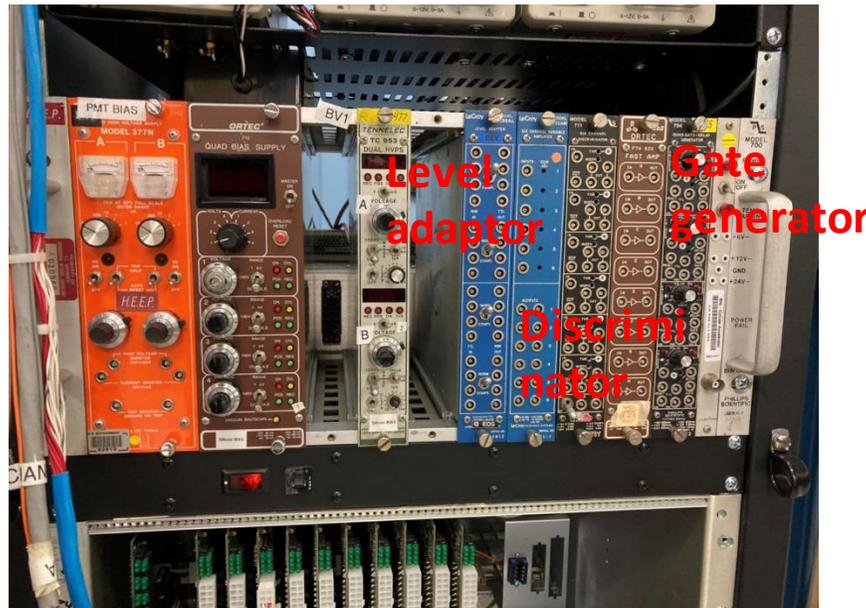

Store details:
- Ladder ID
- Chip ID
- Channel ID
- Type of dead, hot and misbehavior channels

Complete the algorithm by Jun 24

The setup of source test fixture

1. Dark box is not available, so we could not move the radiation source.

2. Need an online discussion for the trigger preparation