

# SNU-HEP Lab Meeting Presentation

Date: 2018-6-25

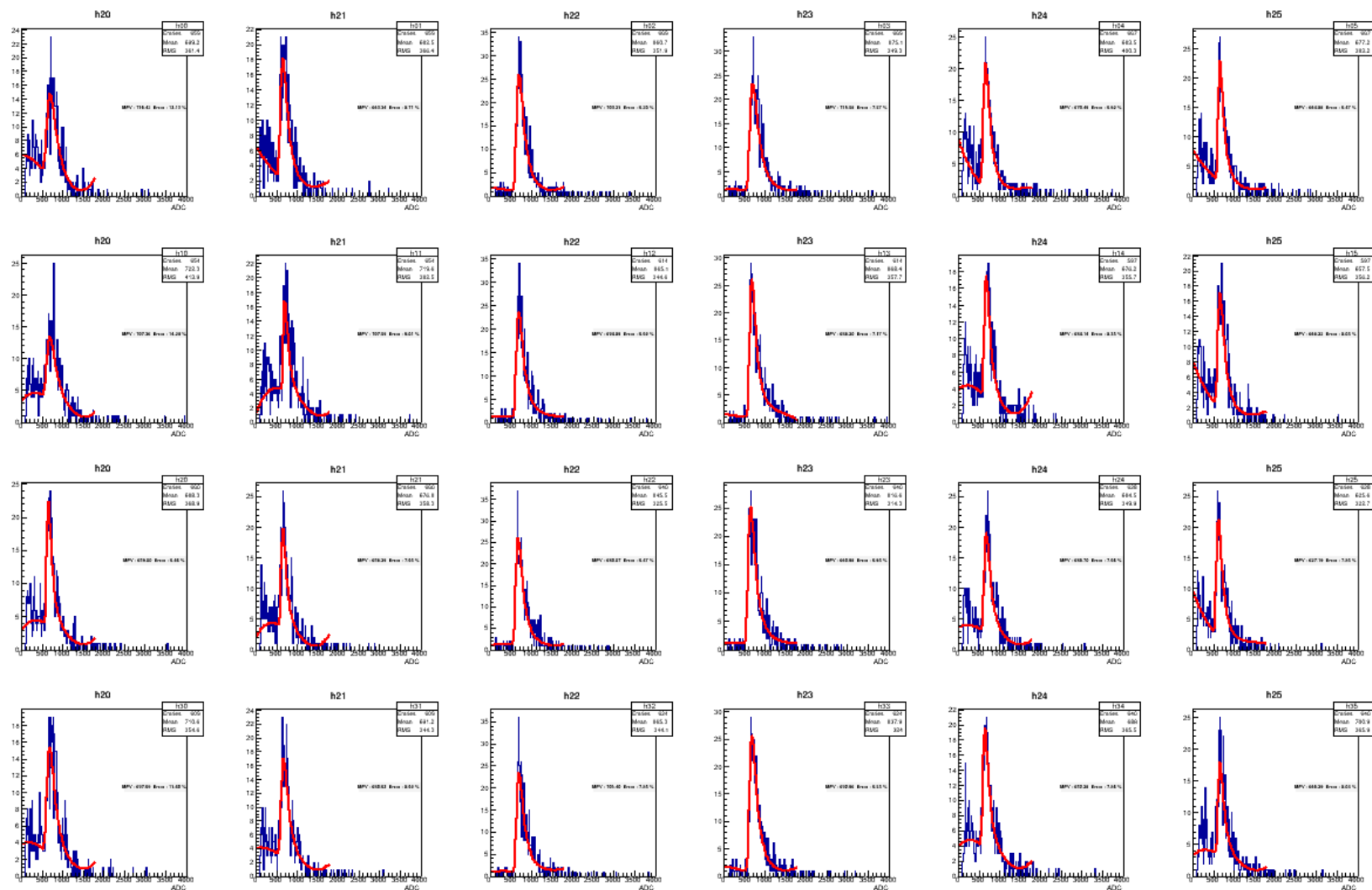
박관형

최재진

# Shipping List Check

|                      | Required number | Insufficient number | ETC                         |
|----------------------|-----------------|---------------------|-----------------------------|
| Plastic Scintillator | 12              | 0                   | Wrapped 12 bars             |
| PMT                  | 24              | 0                   |                             |
| Bakelite Guide       | 24              | 0                   |                             |
| FADC                 | 3               | 0                   | Fadc 7,8,9,10,15,16         |
| USB, LAN cable       | 6               | 0                   | USB HUB                     |
| Grease               | 2               | 0                   | Tissue, glove, driver, tape |
| Terminator(50 ohm)   | 24              | 0                   | CERN                        |

# Gain calibration



# Gain calibration

- Setting MPV around 660~710(ch)
- 3 bar array(131415,161718,192021,222324)
- Taken 10000 events for each data
- Center cut( $\pm 5cm$  of center)

# Gain calibration

| barNumber | LEFT PMT  | LEFT HV(V) | RIGHT PMT | RIGHT HV(V) |
|-----------|-----------|------------|-----------|-------------|
| 13        | IBS 002   | 1560       | IBS 003   | 1530        |
| 14        | IBS 004   | 1450       | IBS 006   | 1540        |
| 15        | SNU a 025 | 1420       | SNU a 028 | 1380        |
| 16        | SNU a 026 | 1450       | IBS 011   | 1410        |
| 17        | SNU a 024 | 1460       | IBS 001   | 1490        |
| 18        | IBS 009   | 1390       | IBS 010   | 1440        |
| 19        | IBS 005   | 1500       | IBS 014   | 1470        |
| 20        | IBS 015   | 1470       | IBS 016   | 1610        |
| 21        | IBS 017   | 1600       | IBS 018   | 1540        |
| 22        | IBS 029   | 1480       | IBS 030   | 1430        |
| 23        | IBS 026   | 1340       | IBS 024   | 1520        |
| 24        | IBS 027   | 1460       | IBS 028   | 1450        |

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# To do list

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- Check the time resolution
- Contact to AE eagle Korea
- Check gain stability