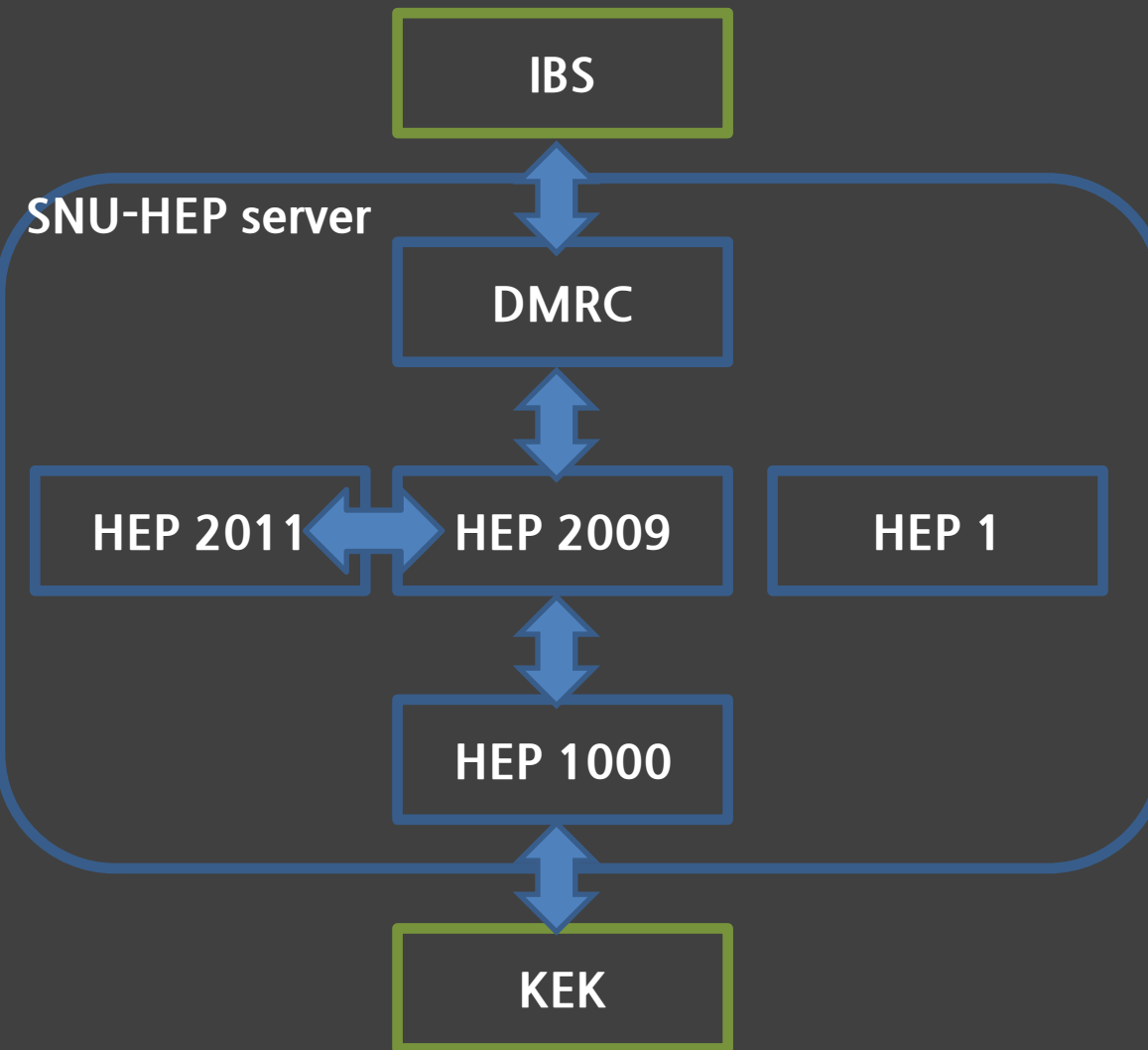


SNU-HEP Lab Meeting Presentation

Date: 2018-09-10

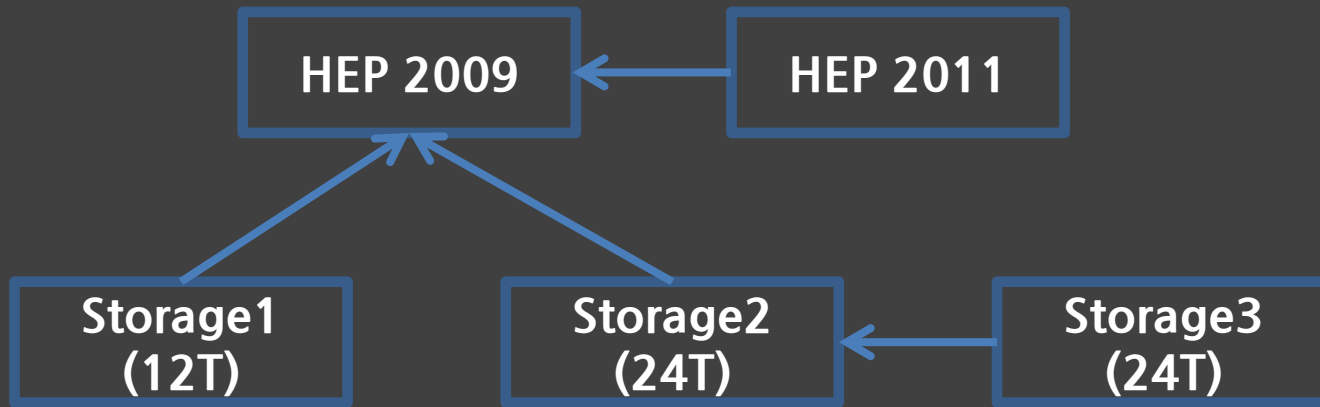
JaeJin Choi

SNU-HEP server(from bhokim, 160803)



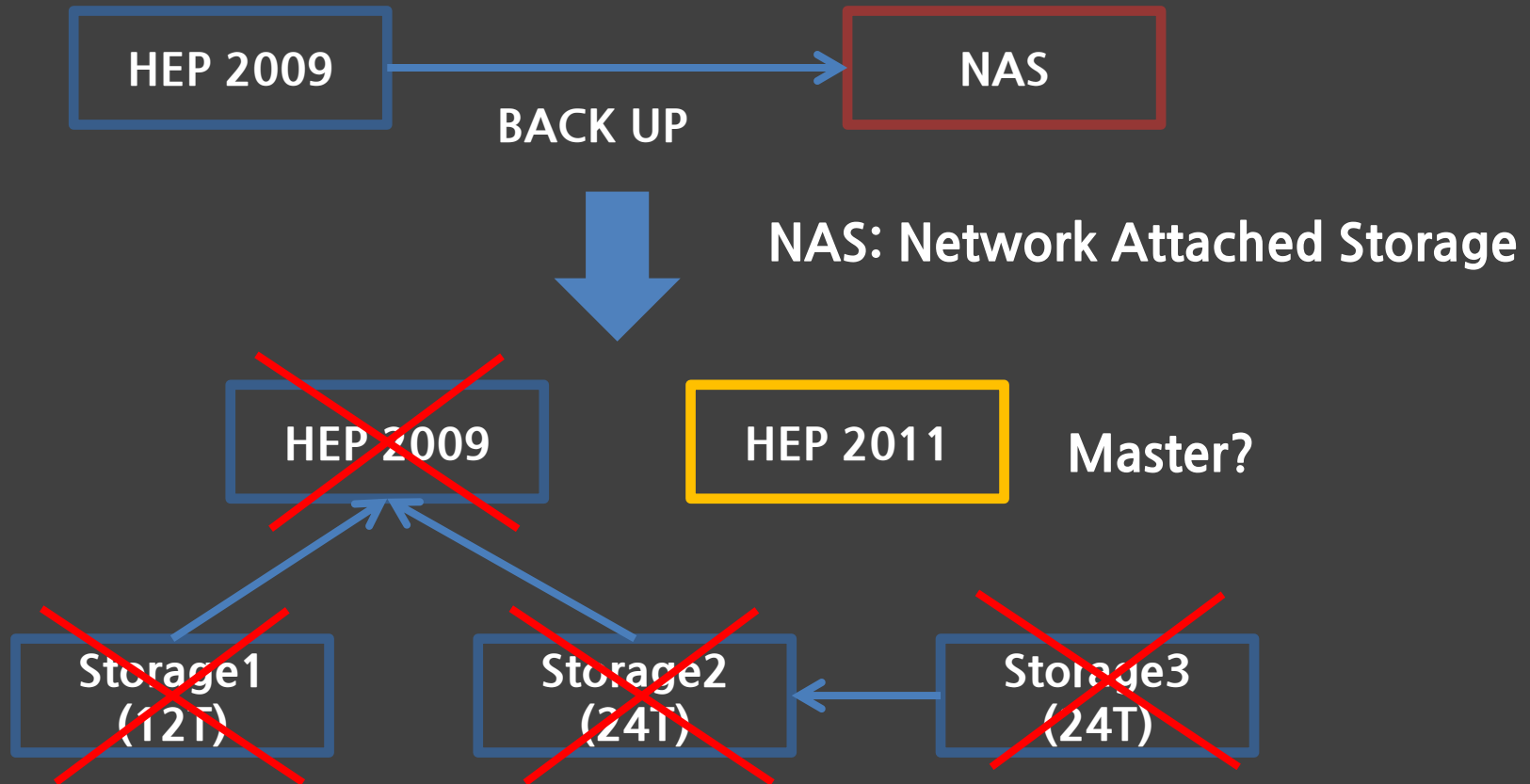
- HEP 2009
 - Main analysis
 - Storage Connection
- HEP 2011
 - Data Storage
- HEP 1
 - Mail Server
- HEP 1000
 - Small data analysis
 - Data storage
 - Q2c homepage
- DMRC
 - Data transfer
 - Bridge
 - homepage

HEP 2009 storage connection(from arlee, 170308)



- Storages and HEP2011 have been mounted on HEP2009
- By using HEP 2009, cannot backup storages

SNU-HEP server plan(from arlee, 170308)



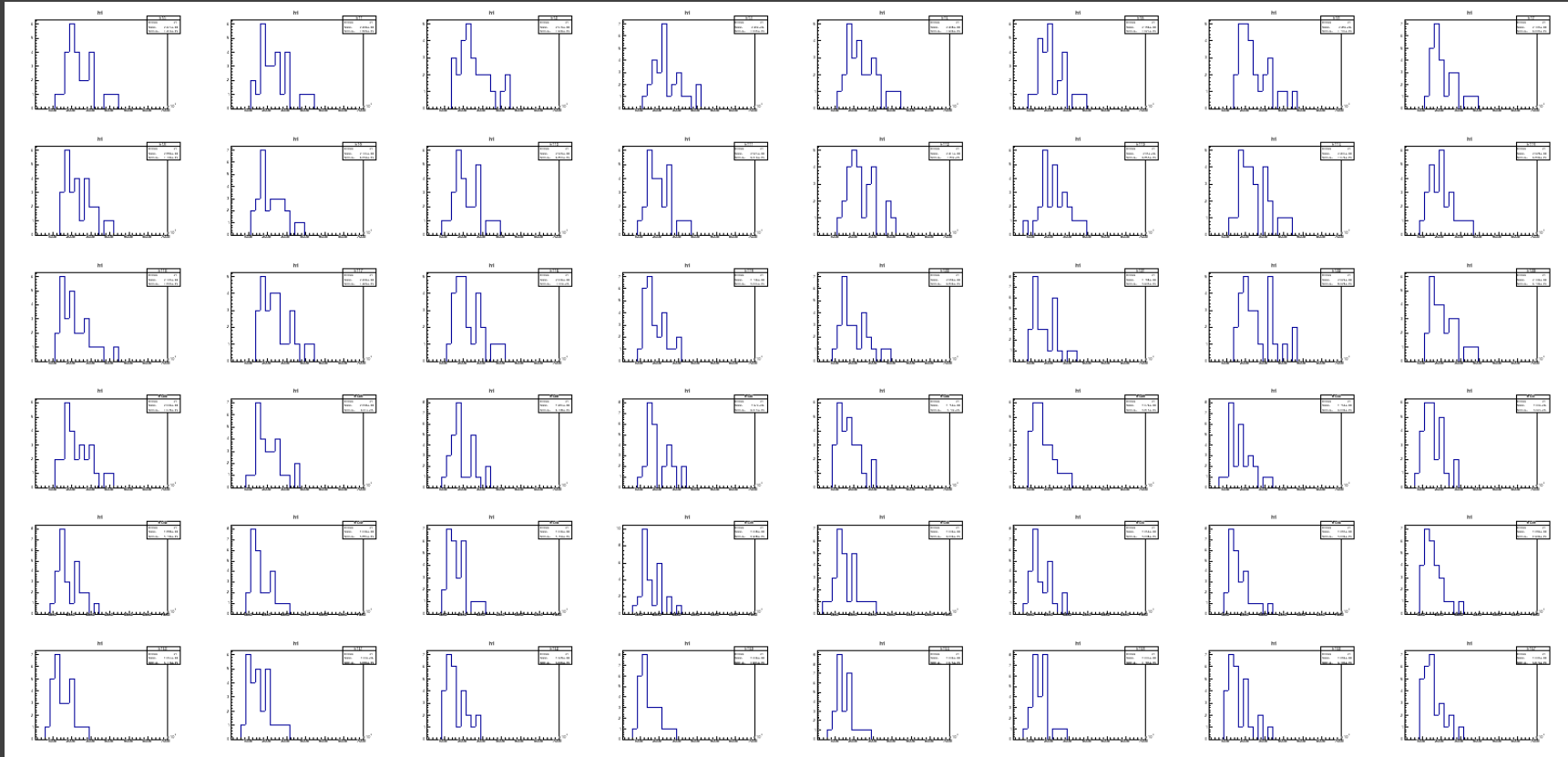
External controller version: 6(HEP2009 and storages)

No external card in Hep2011 and version 6 controller can't buy..

HEP1000 back up

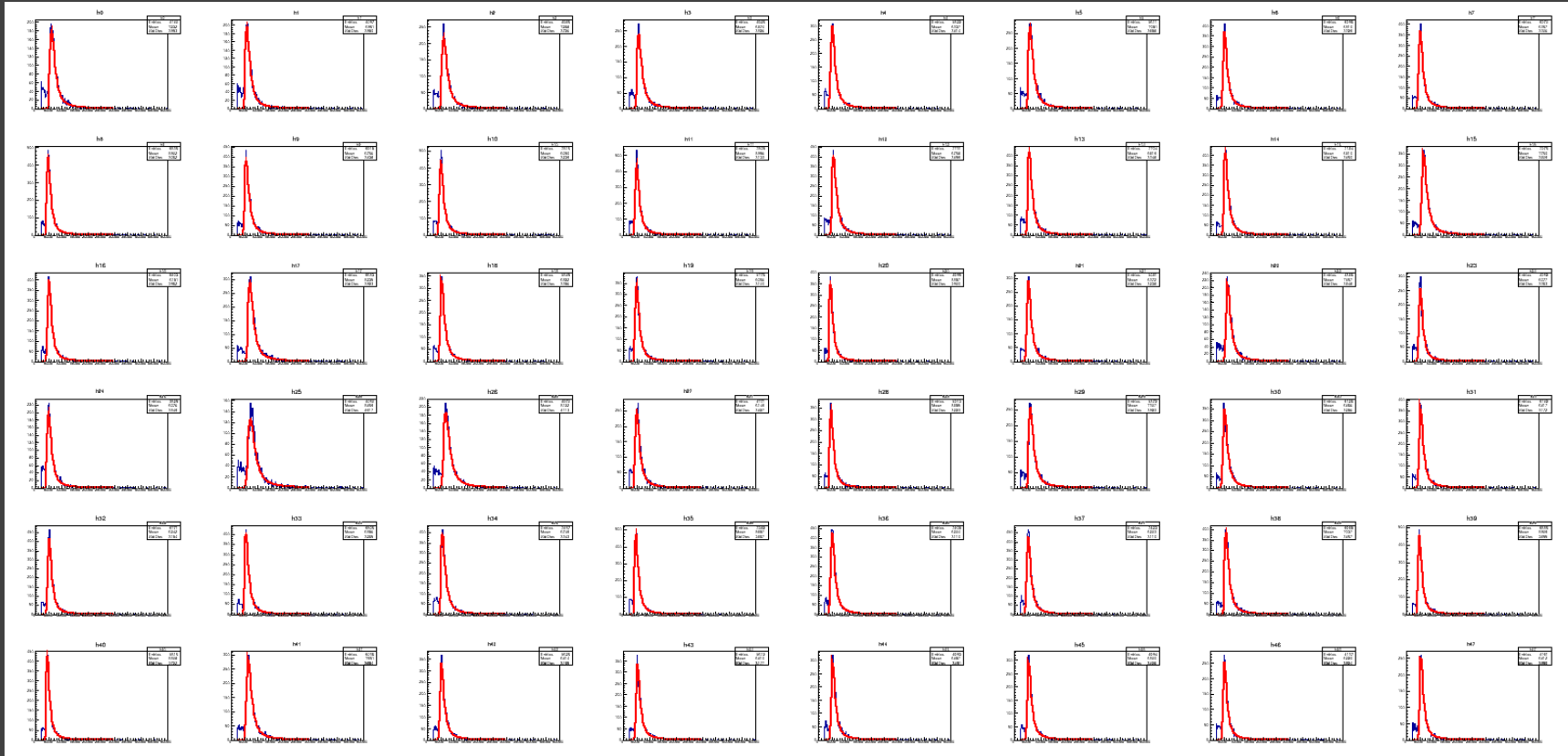
- Warning message: hdc1 will be broken soon
- hdc1(mount /scratch) broken when try to back up to external hard disk
- Need to restore(DASAN data)
- Or filesystem check(possible to lose data)

PBAR integral distribution(data num:665,666)



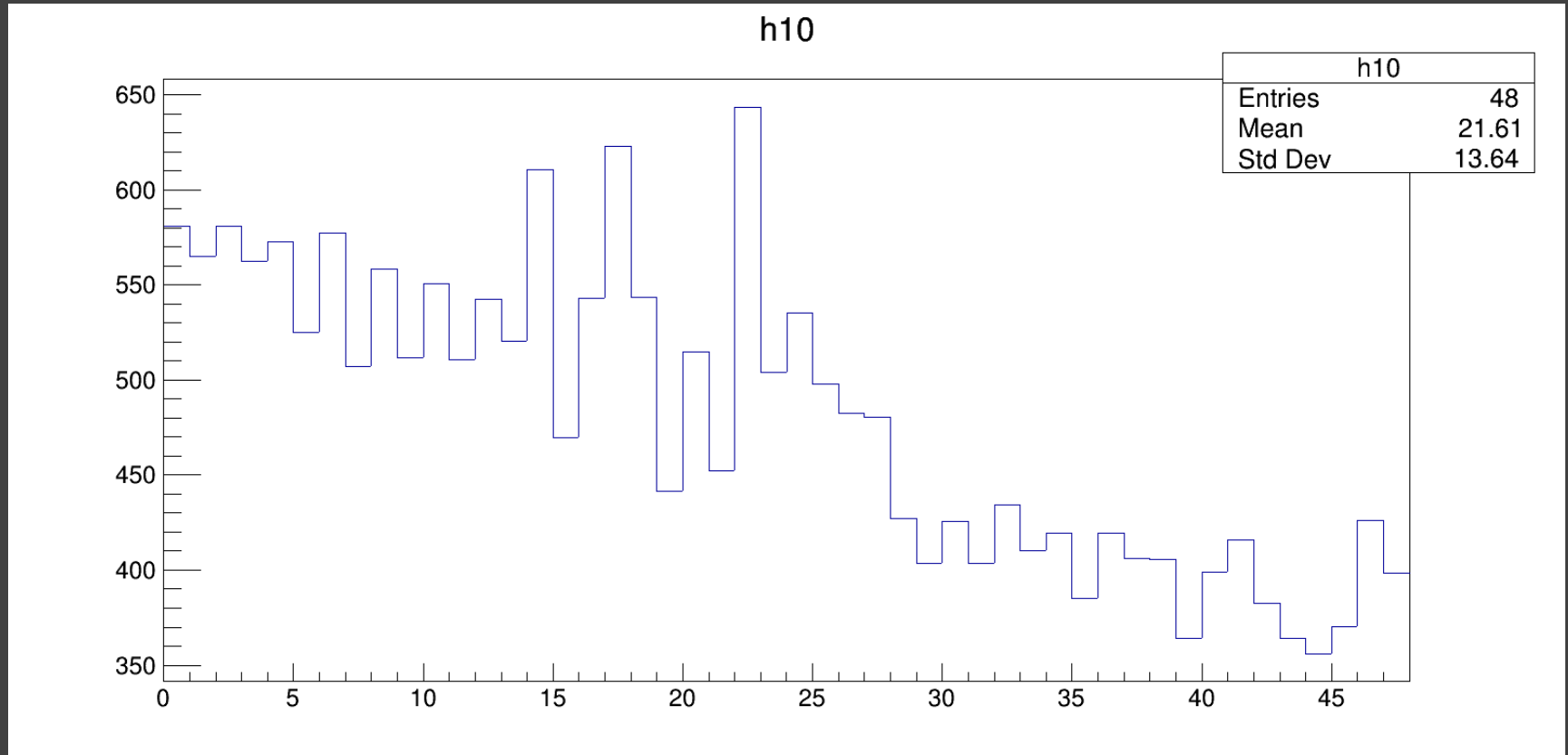
- The number of 7us event: 27
- X axis range: $1 \times 10^5 \sim 7 \times 10^6$ (counts)

Muon integral distribution(data num:629)



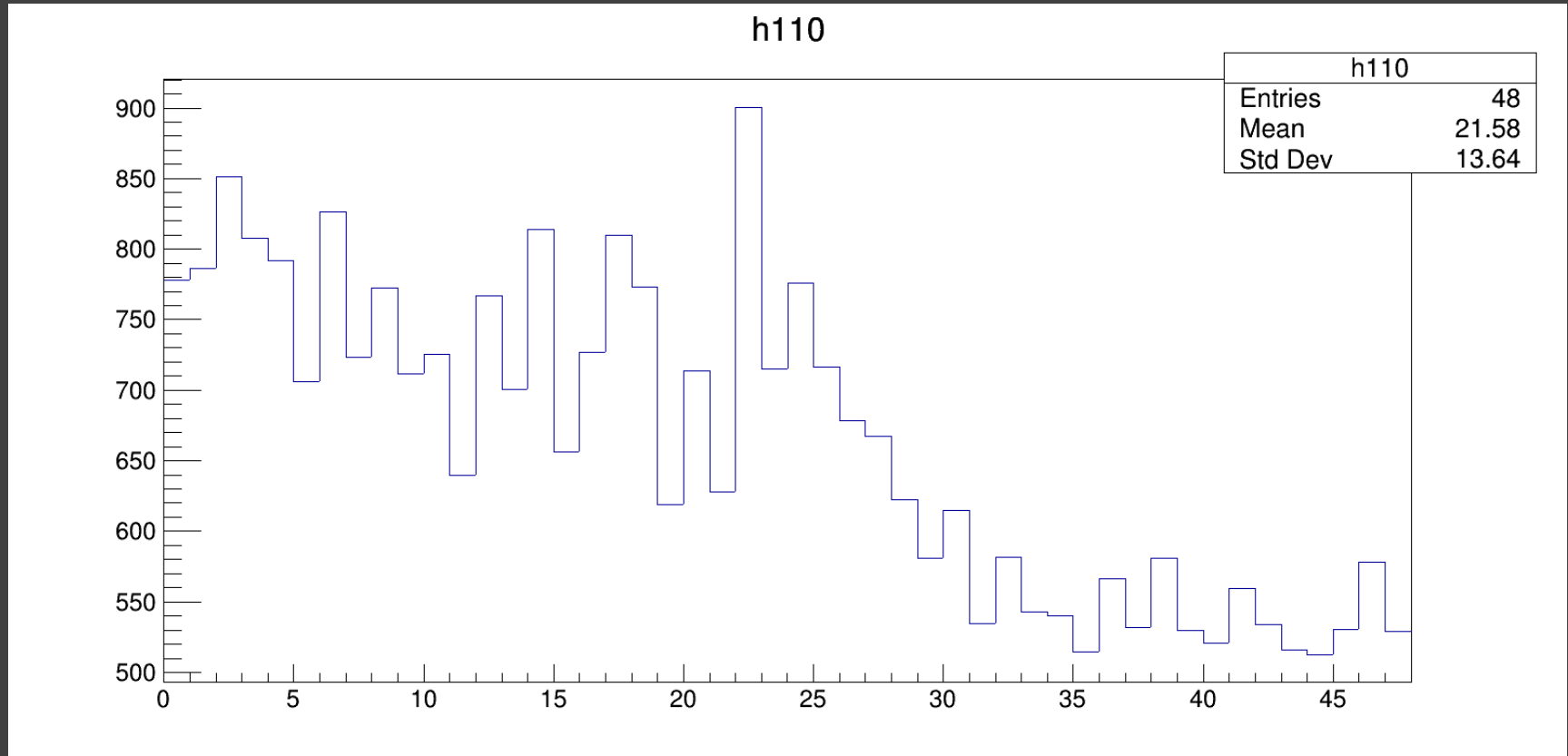
- Cosmic ray muon signal with AD injection cut and center cut
- Landau fitting and get MPV(most probable value)

Pbar muon integral ratio(ev Number: 872)



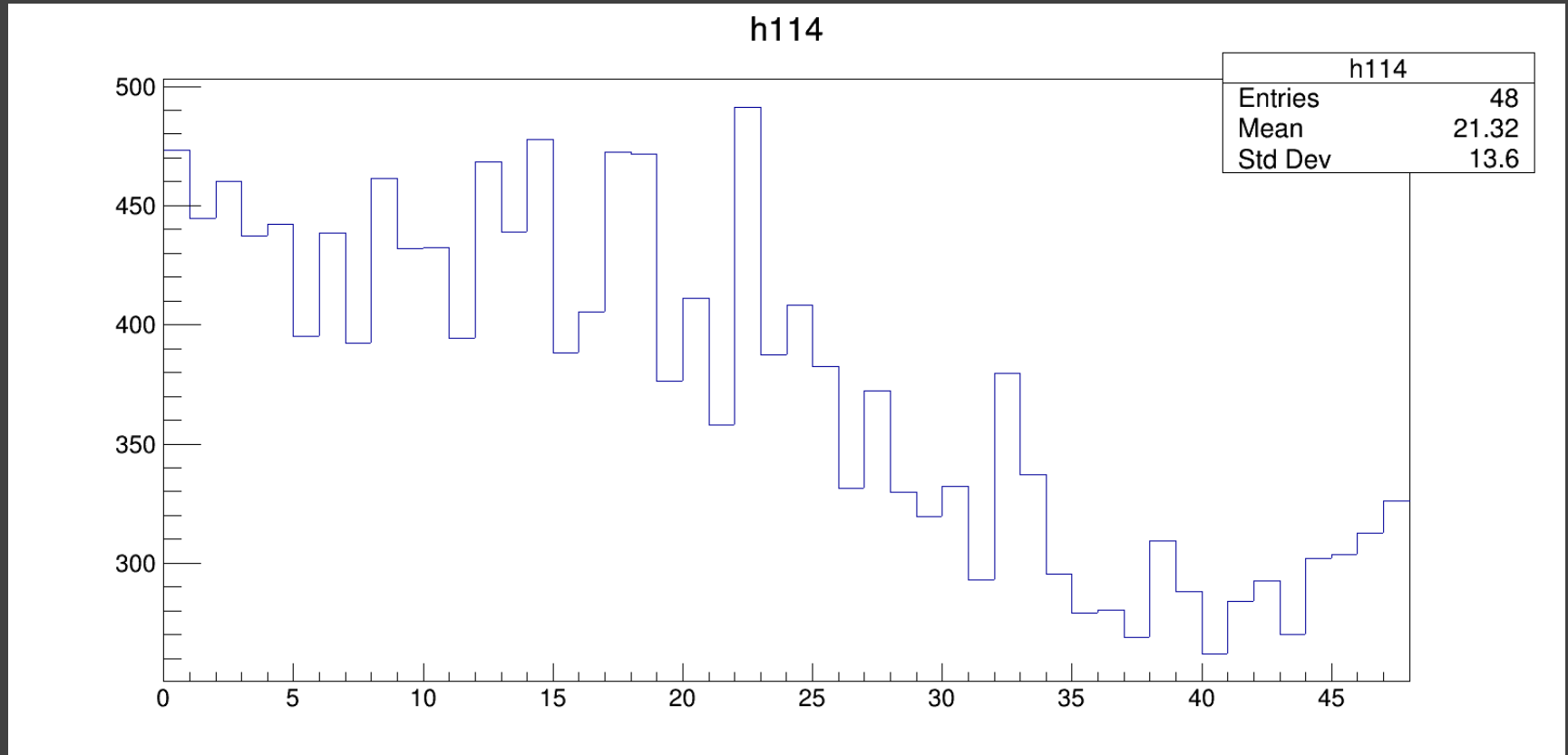
- Select one 7us event
- Calculate ratio each channel(pbar integral value/muon MPV)

Pbar muon integral ratio(ev Number: 1912)



- Select one 7 μ s event
- Calculate ratio each channel(pbar integral value/muon MPV)

Pbar muon integral ratio(ev Number: 2265)



- Select one 7us event
- Calculate ratio each channel(pbar integral value/muon MPV)

To do list

- **Server**
 - Check back up list in HEP 2009
 - HEP1000 back up
- **PBAR event**
 - Reduce gain for pbar beam
 - Calibration using cosmic ray
 - DAQ using external trigger