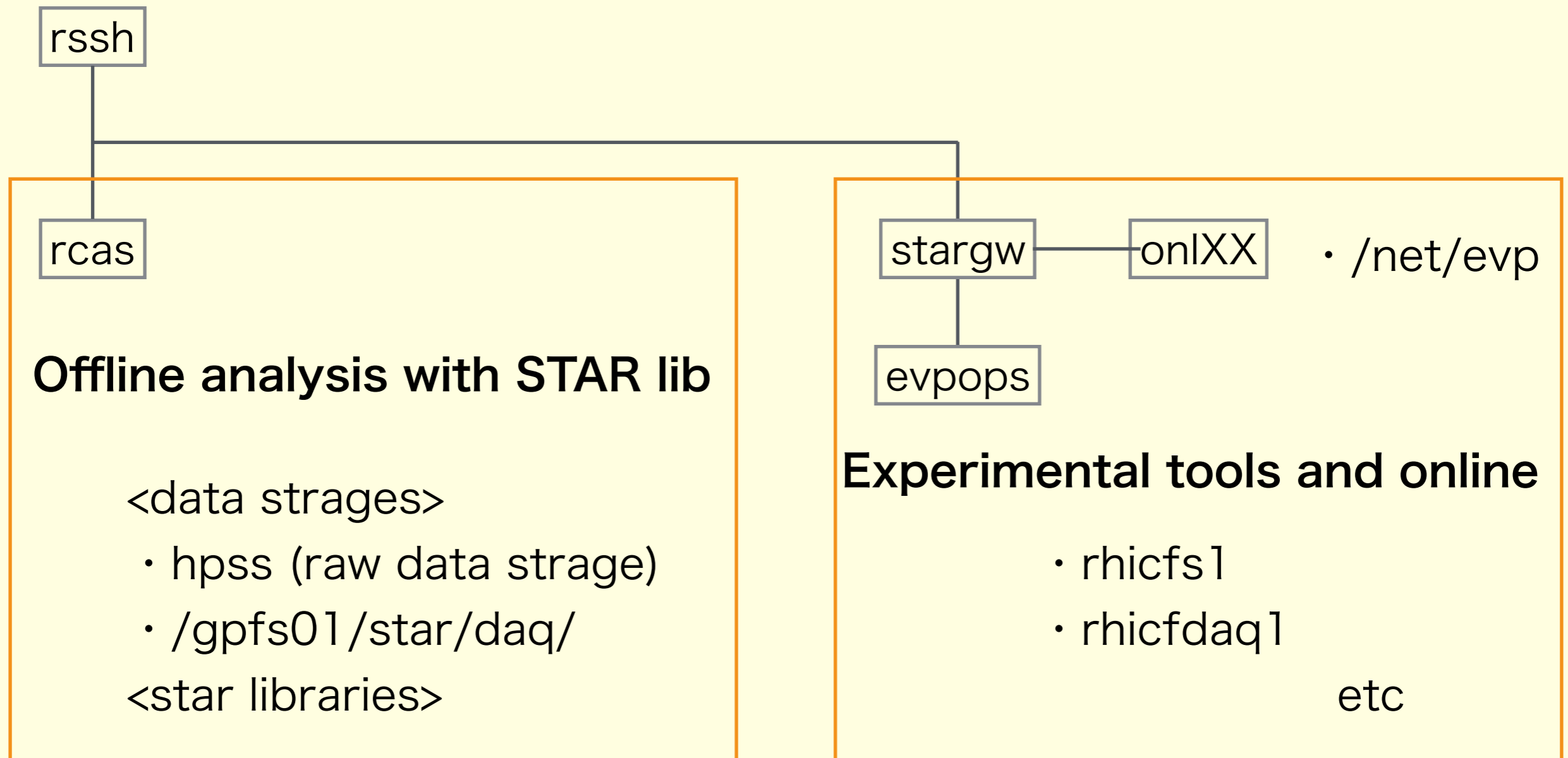


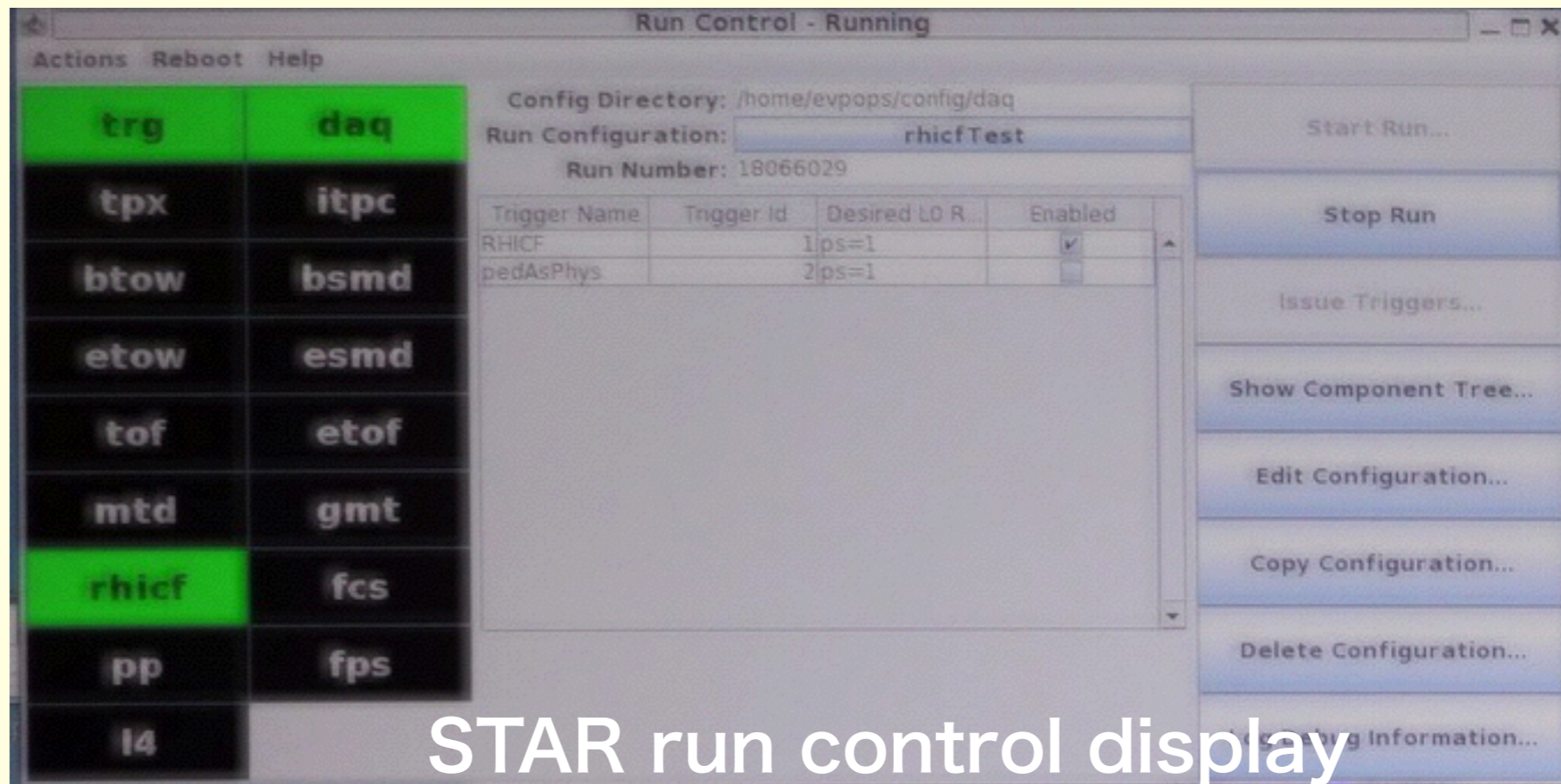
Correlation with STAR: status and TODO

Mana Ueno

Structure of network and where the files



Common data taking setting on STAR



STAR run control display

(rhicf test)

only use trg, daq and rhicf

use only rhicf trigger

all the rhicf trigger events are recorded

The contents of trg

```

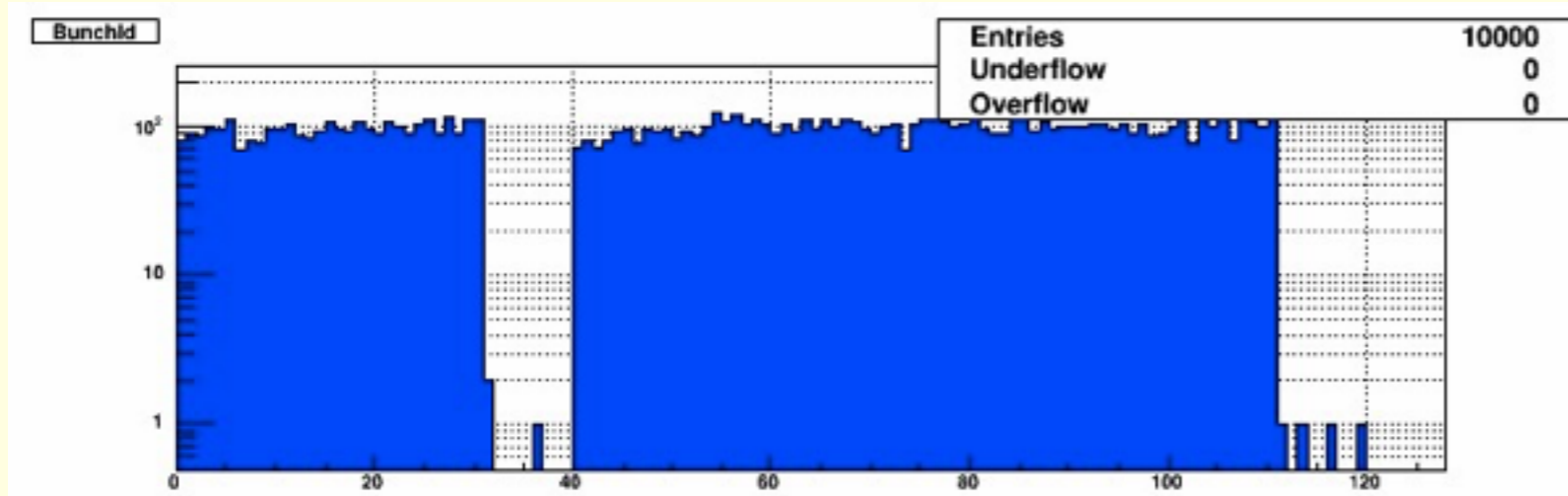
***** StTriggerData Dump *****
mDebug=0 mData=0xb5ad0b0
Year=2017 Version=44
Run#=0 Event#=8775
0 pre and 0 post crossing data available
Token=600 TriggerWord=0 ActionWord=4200 BusyStatus=0
TUC Bits=0 : 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
BunchId 7bit=22 48bit=1          bunch id
Spin Bits=255 : 1 1 1 1 1 1 1 1
BBC East ADC : 271 0 92 398 0 0 20 0 0 0 0 0 0 0 62 55 30 13 0 0 132 88 0
BBC West ADC : 172 0 0 0 0 176 0 0 209 0 0 0 0 0 0 0 0 0 0 170 19 71 75
BBC East TAC : 807 0 1081 1875 0 0 1130 0 2484 0 0 0 0 0 0 1138
BBC West TAC : 1074 5 0 0 0 1447 0 0 1137 0 0 0 0 0 0
BBC Sums 0 xing : East=823 West=557 Large tile East=318 West=335
BBC Earliest : East=1875 West=1447 Difference+256=4524
ZDC Earliest : East=74 West=0 Difference=0
ZDC Sum(A) East : 46
ZDC Sum(A) West : 13
ZDC Sum(UA) East : 75
ZDC Sum(UA) West : 38
VPD E Earliest TAC : 2141
VPD W Earliest TAC : 2240
VPD TimeDifference : 3997
L2 result :
0 202113024 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
BBClayer1: 0 25A7 1 022D 2 3753 3 0337 4 FFFF 5 FFFF 6 FFFF 7 FFFF 8 0000 9 1000 a 0338
b 6602 c 0000 d 0000 e 0000 f 0000
ZDClayer1: 0 FFFF 1 0000 2 A304 3 A000 4 FFFF 5 FFFF 6 FFFF 7 FFFF
VPDlayer1: 0 FFFF 1 FFFF 2 FFFF 3 FFFF 4 08C0 5 04C4 6 085D 7 079B
VTX: 0 FFF7 1 AC00 2 D27C 3 D1AC 4 FFFF 5 FFFF 6 FFFF 7 CF9D
Last DSM: 0 F00C 1 759F 2 FFFF 3 07C7 4 F108 5 0380 6 0000 7 FFFF
***** End StTriggerData Dump *****

```

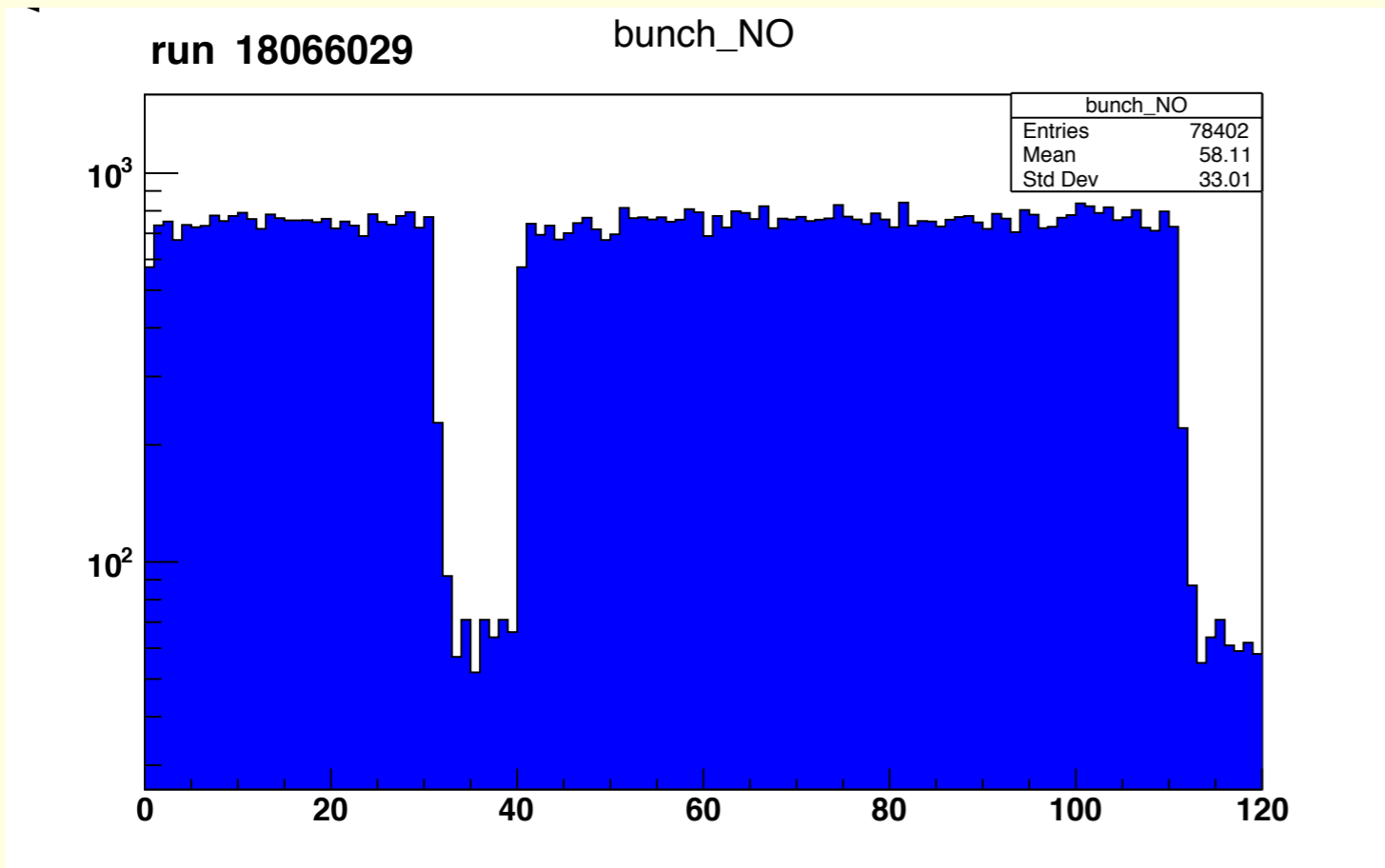
- “trg” is a data class which has BBC, ZDC and other STAR sub detectors.

Coincidence between RHICf and STAR data

- Checked with bunch id



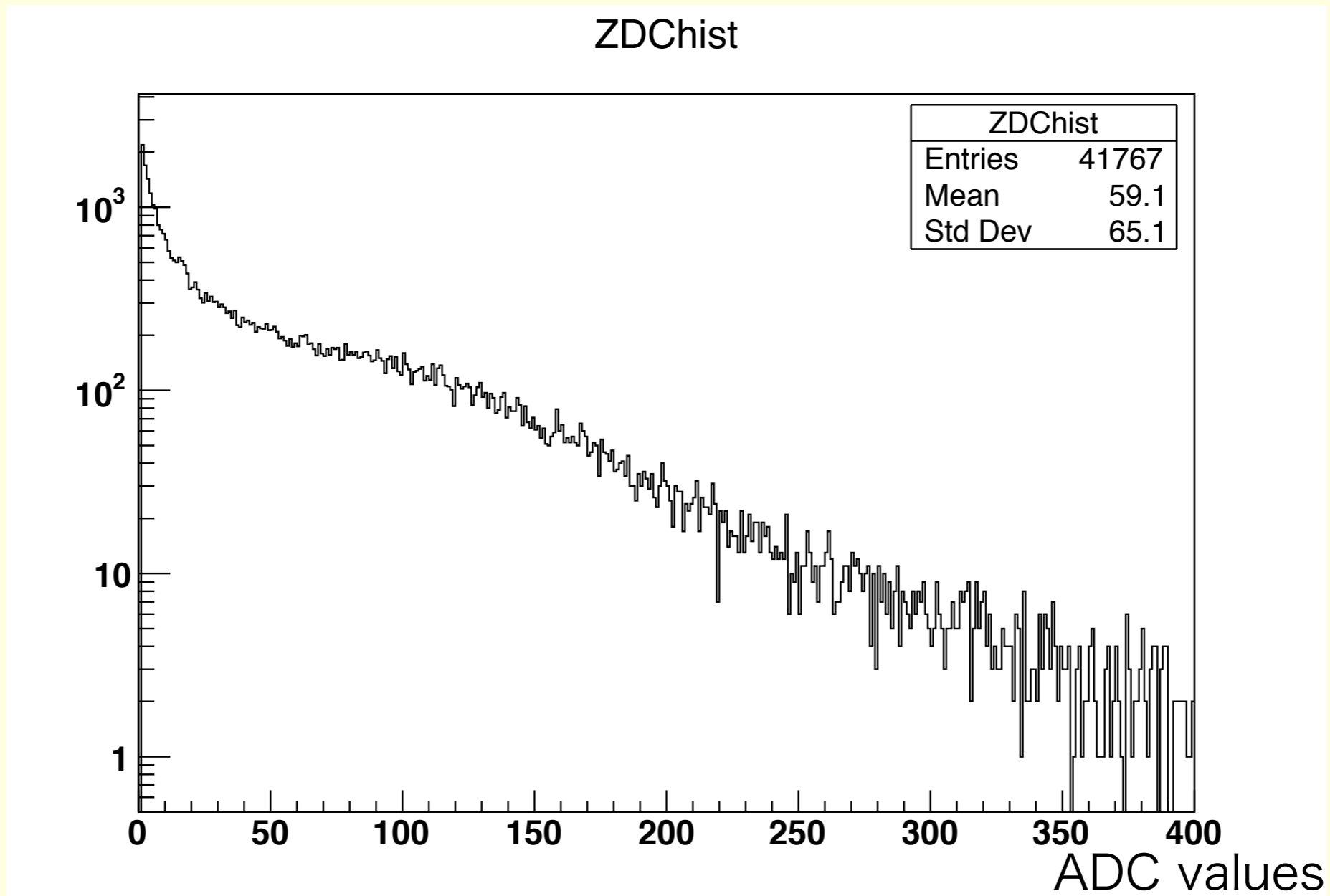
star sample



rhicf test

- Runs we took on 7 Mar.
- The abort gap should be 30-39 and 110-119.

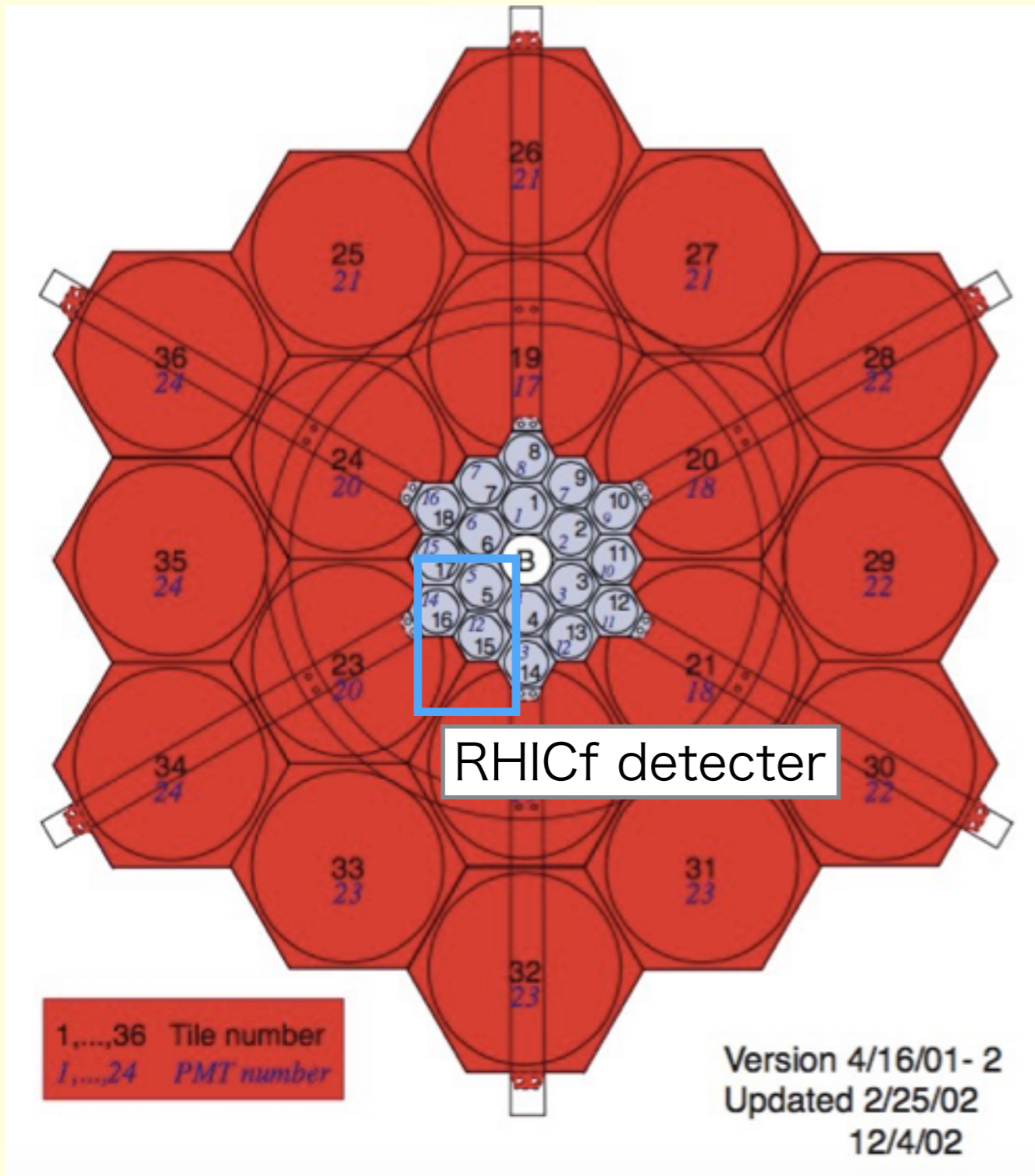
ZDC histogram with RHICf trigger



ZDC sum(UA) histogram

- Now ZDC is setup for Au-Au collision.
- the 100 GeV SNP was at 58 and 53 ADC values for the East and West sums, respectively.

Beam-Beam Counter



We can check with BBC.
Use around RHICf and the opposite side detectors, we can check that whether BBC and RHICf data have relations.

TODO schedule

- Construct the system to real time display
- The discussion about data storage is ongoing
 - access to only and move the code which works in rcas
 - enable the code to read event pools
- Convert from STAR data to RHICf data
- Select data which are useful for common data analysis
 - trg has ZDC, BBC and other contents
 - Is there any useful data?? TOF??

ADC histogram recorded in STAR

