	ID	Date	Author	Subject
☐	183	Fri Nov 11 16:50:34 2016	BRIKEN collaboration	252Cf efficiency calibration

```
252Cf Efficiency calibration with AIDA in place
to see if there is an effect.

We situated the source in the border of the
cardboard holder and slide it until it just
touches the surface of the AIDA mylar
protection cap. The distance of the source
to front part of PE moderator is about 28.5cm.
That is the source is at 37.5-28.5=9cm
from the center.
Clovers are turned off.

Start: 16:16
Run: 000
DLT file: 161111_1616_252Cf_AIDA_000.dlt

Rate: 11600cps

Stop: 16:40
ROOT file: 161111_1640_252Cf_AIDA_000.root
```

☐	182	Fri Nov 11 11:44:08 2016	BRIKEN collaboration	background

```
Background measurement, only histograms, no file written
Start: 11:43
Stop around 16:00

At some point the HV of Clover detectors was turned down
so there is a lot of noise in the DAQ.

Input of CLOVER detectors in V2A7 removed.

ROOT file: 161111_1600_bck.root
```

☐	181	Fri Nov 11 10:28:20 2016	BRIKEN collaboration	Manual LN2 filling

```
Manual LN2 filling started at 10:25
```

☐	180	Fri Nov 11 10:27:06 2016	BRIKEN collaboration	background measurement

```
The histograms were saved at 10:24, after stopping for filling the Ge.
/data/1611Commissioning/161111Main/161111_1024_bck.root

Histograms were cleared.
```

☐	179	Fri Nov 11 01:58:38 2016	BRIKEN collaboration	How to check the gas flow and HV for MUSIC of GSI

```
The first photo shows the control panel for MUSIC of GSI.
The right scale in the second photo indicates the pressure of gas left in the tank.
The third photo shows flow of gas. If the red point is between 60-90, it is ok. If not, you can adjust the flow with a
black screw.
The two indicaters in forth photo are used during our experiment.

The HV for MUSIC of GSI can be checked via
http://10.32.6.183
id = RIBF123
pass = Ni77

wheile your computer is connected to 10.32.6.183.
```

Attachment 1: IMG_20161110_124516981.jpg

Attachment 2: IMG_20161110_124512279.jpg


0.1
0.15
0.2
0.25
0.3
0.05
0
MPa
PRESSURE GAUGE
TANAKA
10
25
MPa
PRESSURE GAUGE
TANAKA

Attachment 3: IMG_20161110_124426893.jpg


B
100
50
40
20

Attachment 4: IMG_20161110_124415880.jpg

☐	178	Fri Nov 11 01:27:40 2016	BRIKEN collaboration	Directory

The data taken by BigRIPS DAQ (ridf-file) will be automatically copied to the directory during our comissioning;

briken16@ribfana03.riken.jp:/home/briken16/rawdata/nov16briken/

And please note that the directory of ridf-files created during Takechi-san's experiment (radiioffXXXX.ridf) is changed to;

briken16@ribfana03.riken.jp:/home/briken16/rawdata/oct16ur/

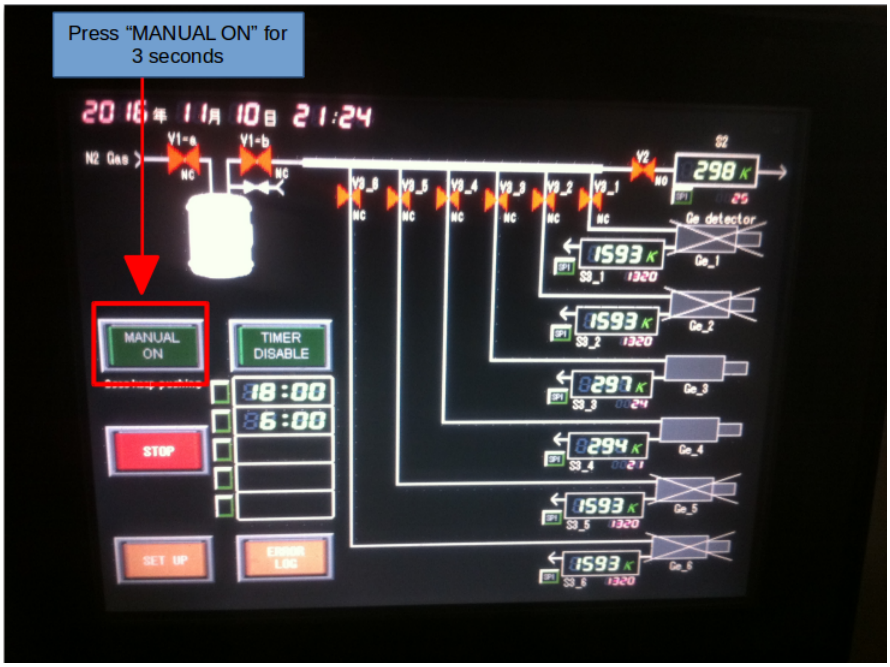
As the directory changed, the converting program shown in http://ribf-exp.riken.jp/elog/RIBF123/171 was modified.
It can be adapted for our ridf-file in "nov16briken".

	177	Thu Nov 10 22:23:27 2016	BRIKEN collaboration	Manaully filling LN2 to Clover

We will fill the Clover detectors manually when the beam is tuning.
Here is the instruction:
Press "MANUAL ON" for 3 seconds then the system will start to fill the Clovers.

NOTICE: Don't TOUCH LN2 tubes while filling. The tubes will be fragile when they are in low temperature.

Attachment 1: 42.png



	176	Thu Nov 10 21:43:51 2016	BRIKEN collaboration	Setup changes

Takechi group has removed the plastic and the plastic with the hole and the sample changer. Gabor has installed a 5 mm fixed degrader behind the adjustable degrader.
There is no degrader inside the PE matrix (the L-shaped degrader was removed before the parasitic run, JLT was hiding this information somewhere in the ELOG text.
Iris has set-up a good German lead wall, this will be removed as soon as tuning is done. Please imagine David Hasselhoff singing "Looking for freedom" when you remove it during the night... 27 years and 1 day after the Berlin wall came down ;-)

Attachment 1: Setup-161111-BRIKEN.pdf

	175	Thu Nov 10 19:39:15 2016	BRIKEN collaboration	New measurement

F5 C wedge F7 out F11 C 6mm

Date 2016/11/10
Start time: 19:37
DLT File: 161110_1937_767778Ni_048.dlt
BRIKEN RUN: 048
Aida RUN: R27_3
BigRIPS RUN: 444

Comment:
Degrader: 0 mm

Histograms cleared.
There was a sudden increase of rate by a factor of 5 for the last 6 minutes. We decided to stop and put the degraders in. Takechi-group saus they are calibrating the PPACs...

Rates:
F11R: 400 Hz
BRIKEN: 180 Hz

Stop time: 20:38
BRIKEN RUN: 048
AIDA run: R27_18
BigRIPS RUN: 445
ROOT file: 161110_2038_767778Ni_048.root

	174	Thu Nov 10 19:34:45 2016	BRIKEN collaboration	New Measurement

F5 C wedge F7 CH2 F11 C 6mm

Need to restart Gasific

Date 2016/11/10
Start time: 19:33
DLT File: 161110_1933_767778Ni_047.dlt
BRIKEN RUN: 047
Aida RUN: R27_6
BigRIPS RUN: 443

Comment:
Degrader: 0 mm

Histograms cleared.

Rates:
F11R: 400 Hz
BRIKEN: 180 Hz

Stop time: 19:36
BRIKEN RUN:
AIDA run:
BigRIPS RUN:
ROOT file: 161110_XXXX_767778Ni_045.root

	173	Thu Nov 10 19:19:44 2016	BRIKEN collaboration	New measurement

CRAP! Now we got the end of the LN2 filling

F5 C wedge F7 CH2 F11 C 6mm

Need to restart Gasific

Date 2016/11/10
Start time: 19:15
DLT File: 161110_1915_767778Ni_046.dlt
BRIKEN RUN: 046
Aida RUN: R26_5
BigRIPS RUN: 443

Comment:
Degrader: 0 mm

Histograms cleared.

Rates:
F11R: 400 Hz
BRIKEN: 180 Hz

Stop time:
BRIKEN RUN:
AIDA run:
BigRIPS RUN:
ROOT file: 161110_XXXX_767778Ni_045.root

	172	Thu Nov 10 18:55:42 2016	BRIKEN collaboration	New measurement

CRAP! Problem with Gasific and we have to restart.

F5 C wedge F7 CH2 F11 C 6mm

Date 2016/11/10
Start time: 18:52
DLT File: 161110_1852_767778Ni_045.dlt
BRIKEN RUN: 045
Aida RUN: R26_0
BigRIPS RUN: 443

Comment:
Degrader: 0 mm

Histograms cleared.

Rates:
F11R: 400 Hz
BRIKEN: 180 Hz

Stop time: 19:07
BRIKEN RUN:
AIDA run:
BigRIPS RUN:
ROOT file: 161110_XXXX_767778Ni_045.root

	171	Thu Nov 10 18:04:34 2016	BRIKEN collaboration	How to convert a ridf-file to a root-file

How to convert .ridf file to .root file

1. Login to briken@ribfana03.riken.jp

2.Check the ridf-file for conversion in /home/briken16/rawdata/bigrips/

=Only if first time=

3.Start anaroot; type "anarootlogin"

4.Type your name, and create a folder for you.

(name of "bigrips" is for the DAQ team)

=/Only if first time=

5.Start root.

6.root[ ] .L MakeFullBigRIPSTree_BRIKEN.C+
(It converts all the event, and it takes half an hour if the size of ridf-file is few GB.)

or

root[ ] .L MakeFullBigRIPSTree_BRIKEN10000.C+
(It converts only 10000 events, and it is convenient for checking.)

7.root[ ] MakeFullBigRIPSTree_BRIKEN(" input file name ", Brho35, Brho57," output file name")

*Brho35 and Brho57 are written on the link of "file" column in
http://bripscnt01.rarfadv.riken.jp/runsum/index.php

For example:
root [ ] MakeFullBigRIPSTree_BRIKEN("radiioff0372.ridf", 7.106, 5.923, "test.root")

8.The output file is created in the same directory.

	170	Thu Nov 10 17:56:36 2016	BRIKEN collaboration	new measurment

F5 C wedge F7 empty F11 C 6mm

Date 2016/11/10
Start time: 17:52
DLT File: 161110_1752_767778Ni_044.dlt
BRIKEN RUN: 044
Aida RUN: R25_142
BigRIPS RUN: 442

Comment:
Degrader: 5.5 mm

Histograms NOT cleared.

Rates:
F11R: 400 Hz
BRIKEN: 180 Hz

Stop because the time of CLOVER filling is approaching

Stop time: 18:25
BRIKEN RUN: 044
AIDA run: R25_149
BigRIPS RUN: 442
ROOT file: 161110_1825_767778Ni_044.root

	169	Thu Nov 10 16:59:24 2016	BRIKEN collaboration	New measurement

F5 C wedge F7 empty F11 Empty

Date 2016/11/10
Start time: 16:58
DLT File: 161110_1658_767778Ni_043.dlt
Aida RUN: R25_130
BigRIPS RUN: 441

Comment:
Degrader: 5.5 mm

Histograms cleared.

Rates:
F11R: 400 Hz
BRIKEN: 180 Hz

Stop time: 17:47
AIDA run: R25_XXX
ROOT file: 161110_1747_767778Ni_043.root

	168	Thu Nov 10 16:12:15 2016	BRIKEN collaboration	New Measurement

F5 C wedge F7 empty F11 C 6mm

Date 2016/11/10
Start time: 16:08
DLT File: 161110_1608_767778Ni_042.dlt
Aida RUN: R25_119
BigRIPS RUN: 440

Comment: F11 Degraders all out
Degrader: 0 mm

Rates:
F11R: 400 Hz

BRIKEN: 180 Hz

Stop time: 16:57
AIDA run: R25_129
ROOT file: 161110_1657_767778Ni_042.root

☐	167	Thu Nov 10 15:29:31 2016	BRIKEN collaboration (RCF)	Web with BigRIPS parameters monitored

Useful web page with the parameters of the beam for each BigRIPS run

http://bripscnt01.rarfadv.riken.jp/runsum/index.php

☐	166	Thu Nov 10 15:26:11 2016	BRIKEN collaboration (RCF)	New Measurement

F5 C wedge F7 CH2 F11 C 6mm

Date 2016/11/10
Start time: 15:16
DLT File: 161110_1516_767778Ni_041.dlt
Aida RUN: R25_99 (continue previous run)
BigRIPS RUN: 439

Comment: F11 Degraders all out
Degrader: 0 mm

Rates:
F11R: 420 Hz
BRIKEN: 600 Hz

Stop time:
AIDA run: R25_118
ROOT file: 161110_1605_767778Ni_041.root

☐	165	Thu Nov 10 14:22:34 2016	BRIKEN collaboration (ID/RCF)	New measurement

F5 C wedge F7 empty F11 C 6mm
same as before, continue

Date 2016/11/10
Start time: 14:19
DLT File: 161110_1419_767778Ni_040.dlt
Aida RUN: R25_96
BIGRIPS RUN: 438

Comment: F11 Degraders all out
Degrader: 0 mm

Rates:
F11R: 440 Hz -> 340 Hz
BRIKEN: 180 Hz -> 140 Hz

Stop time: They did not stop the file.
AIDA run: R25_99
ROOT file: 161110_1515_767778Ni_040.root

The rates decreased during the file.

☐	164	Thu Nov 10 14:14:49 2016	Hoshino Suharu	measurement from 405 767778Ni F5Cwedge 10mm F7empty F11C plate 6mm

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