BRIKEN | Discussion | EURICA | Experiment Log | General Log | SAMURAI | SUNFLOWER | Test and Examples |
BigRIPS | User Experiments | MUST2 2010 | CAITEN 2010 | Isospin Diffusion 2013 | Transmutation Spring 2014 | Transmutation Spring 2015 | Transmutation Autu
Transmutation Autumn 2016 | RIBF123

RIBF123, Page 2 of 12   Logged in as "BRIKEN collaboration"

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ID	Date	Author	Subject	Type	Category	RUN Number	Beam	Ener
221	Tue Nov 29 19:40:47 2016	BRIKEN collaboration	New conf file	Configuration	DAQ	BRIKEN			

```
BRIKEN DAQ parameters
Threshold of D4 clover, F11_PL



Old parameters for G7 clover were ok.

D4 clover was noisier, so threshold was increased from 20 to 25 for D4Black crystal, and from 20 to 30 for
D4Blue crystal.

Threshold for F11_PL_L and F11_PL_R was decrease from 80 to 60, for both channels.

These changes were saved as a new configuration file: 161129_1926_Conf_BrikenFull.xlsx
```

Attachment 1: 161129_1926_Conf_BrikenFull.xlsx

| 220 | Tue Nov 29 19:08:39 2016 | BRIKEN collaboration | Clovers | Problem Fixed | BRIKEN | | | |

```
At 18:30 we could access to F11 and check the G7 Red. The problem was found. The HV cable was not connected to
the HV source. It was not checked due to the short time to install it in the morning.

Now we checked the signal and it works propely.
```

| 219 | Tue Nov 29 19:06:14 2016 | BRIKEN collaboration | DAQ | Other | DAQ | BRIKEN | | | |

```
19:00   DAQ_GUI updated to generate a file with information of TimeStamp reset (time of reset)
```

| 218 | Tue Nov 29 10:36:15 2016 | BRIKEN collaboration | run | | RUN | BRIKEN | 115-154 | | |

```
======   START   ======
Date 2016/11/29
Start time    : 10:35
BRIKEN run    : 115
Daq Conf. File : 161129_0329_Conf_BrikenFull.xlsx
DLT File name : 161129_1036_115.dlt
AIDA run      : 34_16
AIDA start    : 10:30
BigRIPS run   : 1074
BigRIPS start : 10:32

--------------------------
Shifters:  ATS, RCF, RG, GK, TD, AT
======   Setup   ======
Central fragment: 41Al @F8
--- Degraders ---
 Fixed:  8 mm Al to the front of the PE Shielding between Musics chambers.
 Variable:
1=(0.5mm W+1mm Al), 2=(0.3mm W+1mm Al), 3=(1mm W +1mm Al)
1. Out
2. In
3. In

======  COMMENTS  ======
Before start this run the threshold on G7 Red was studied. We played with several values but finally decided to
maintain the previous configuration because changing the threshold the shape of the spectra does not improve. The
rate of G7 was too high. THE ONLINE LIVE TIME IS  65%!!
Robert checked the PA output and seems ok. When we can enter again we'll check the cabling.

10:35: Before start file, Timestamp reset. AIDA was running.
11:05 Synchronization checked Ok
11:36 Checking the rates after 1h run, as shown in the attached png the clover rates are higher due to the
threshold on G7 Red.
12:00 Synchronization checked peak on 0 for BRIKEN and at 2.6ms for AIDA
14:20 Synchronization checked. Still peak on 0 for BRIKEN and at 2.6ms for AIDA (png attached)
14:25 Rates after 4h run (14:26) are also attached. We decided to increase the threshold on G7 Red when changing
the run to not reset the times in between.
15:00 Around 14:50 there was a beam off recovered in few minutes.
16:39 Synchronization equal as before
17:27 Now the synchronization has peaks in 0 for both systems and also at 2.6ms (see also screenshot in a png file
attached).
18:25 Stopped to fill Ge.

------  Rates  ------
At 14:26 after 4 hours run.
 RateBRIKEN    =   141.645 cps
 RateF11R      =   239.82 cps
 RateClovers   =   16091.1 cps
 RateVPLT      =   10.6366 cps
 RateVPLB      =   3.23746 cps
 RateAIDAPL    =   24.9191 cps

At 16:39 after 6 hours run.
 RateBRIKEN    =   139.27 cps
```

```
 RateF11R       =    235.787 cps
 RateClovers    =    15971.5 cps
 RateVPLT       =    10.4463 cps
 RateVPLB       =    3.156 cps
 RateAIDAPL     =    23.2078 cps

At the end of the run:
 RateBRIKEN     =    134.061 cps
 RateF11R       =    227.755 cps
 RateClovers    =    16150.4 cps
 RateVPLT       =    10.162 cps
 RateVPLB       =    3.01331 cps
 RateAIDAPL     =    22.2396 cps

=========   END   =========
Date 2016/11/29
BRIKEN run      : 154
BRIKEN stop     : 18:25
ROOT online     : 161129_1036_115_154_1825.root
AIDA run        : 34_137
AIDA stop       : 18:26
BigRIPS RUN     : 1083
```

Attachment 1: 161129_1036_115_1136_Rates.png

161129_1036_115_1136.root: Rates
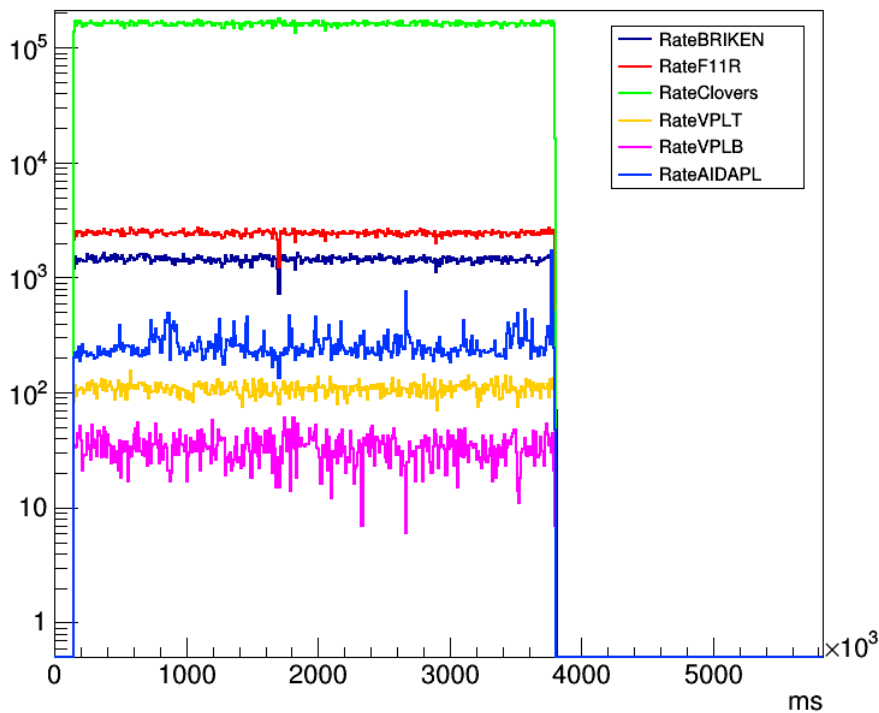
Attachment 2: SyncCheckScreen20161129_1159.png

Synchronization Check

Check	
Entries	0
Mean x	0
Mean y	0
Std Dev x	0
Std Dev y	0
Integral	0
Skewness x	−nan
Skewness y	−nan

0	0	0
0	0	0
0	0	0

AIDA-BRIKEN time difference

RIBF-BRIKEN time difference   x40ns

Partial

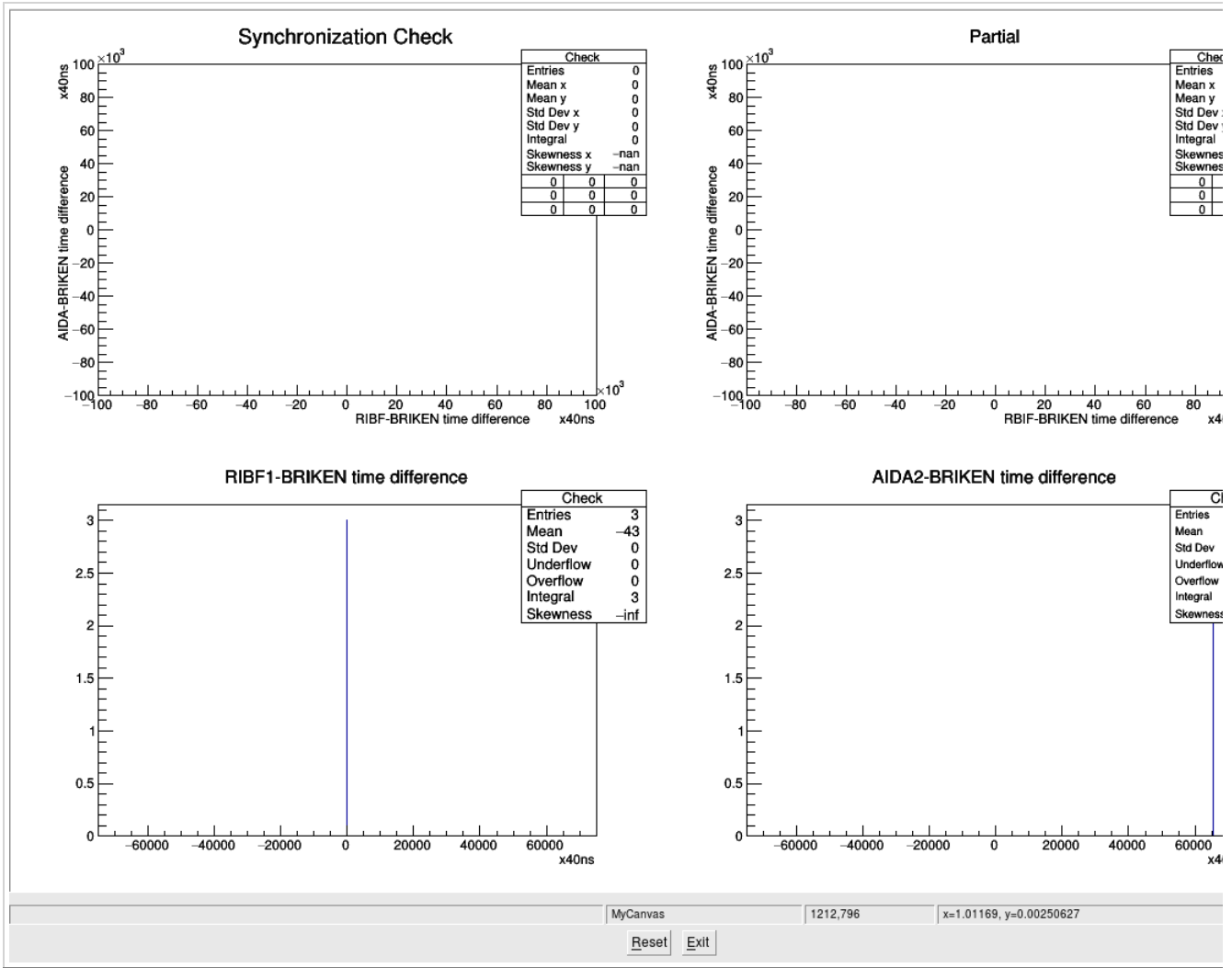| Chec	
Entries	
Mean x	
Mean y	
Std Dev	
Std Dev	
Integral	
Skewnes	
Skewnes	

	0	
	0	
	0	

AIDA-BRIKEN time difference

RBIF-BRIKEN time difference   x4

RIBF1-BRIKEN time difference

Check	
Entries	3
Mean	−43
Std Dev	0
Underflow	0
Overflow	0
Integral	3
Skewness	−inf

x40ns

AIDA2-BRIKEN time difference

C	
Entries	
Mean	
Std Dev	
Underflow	
Overflow	
Integral	
Skewness	

x4

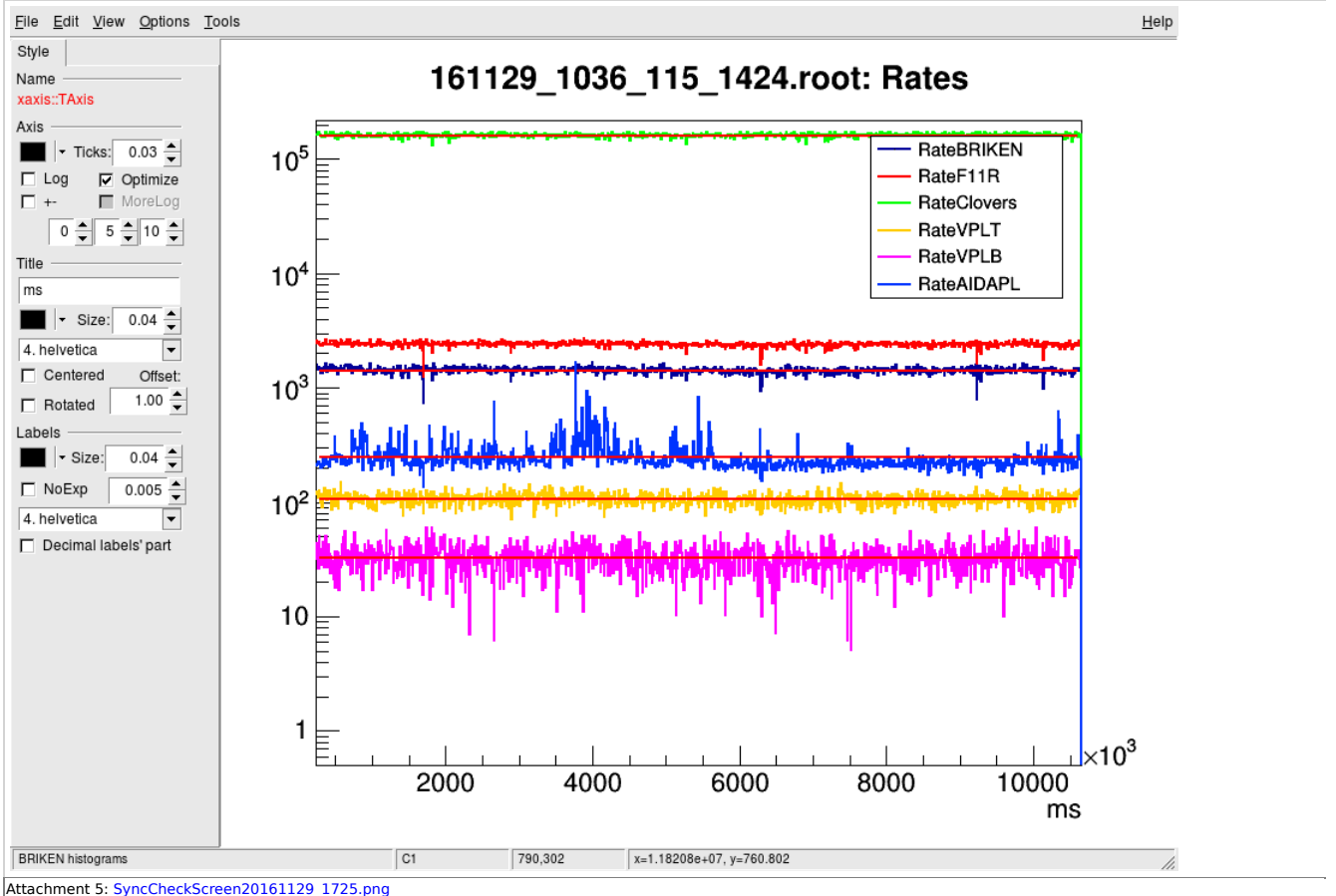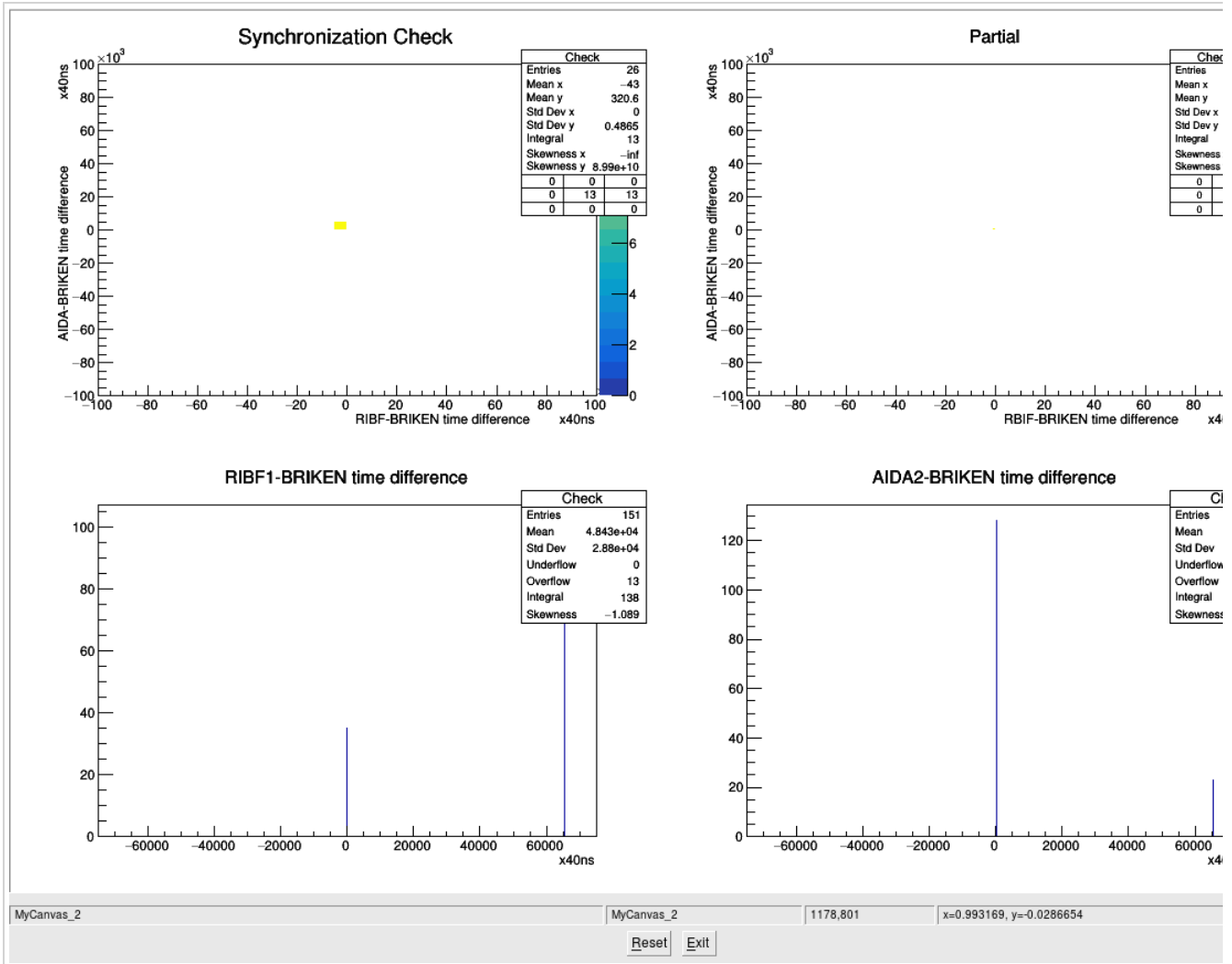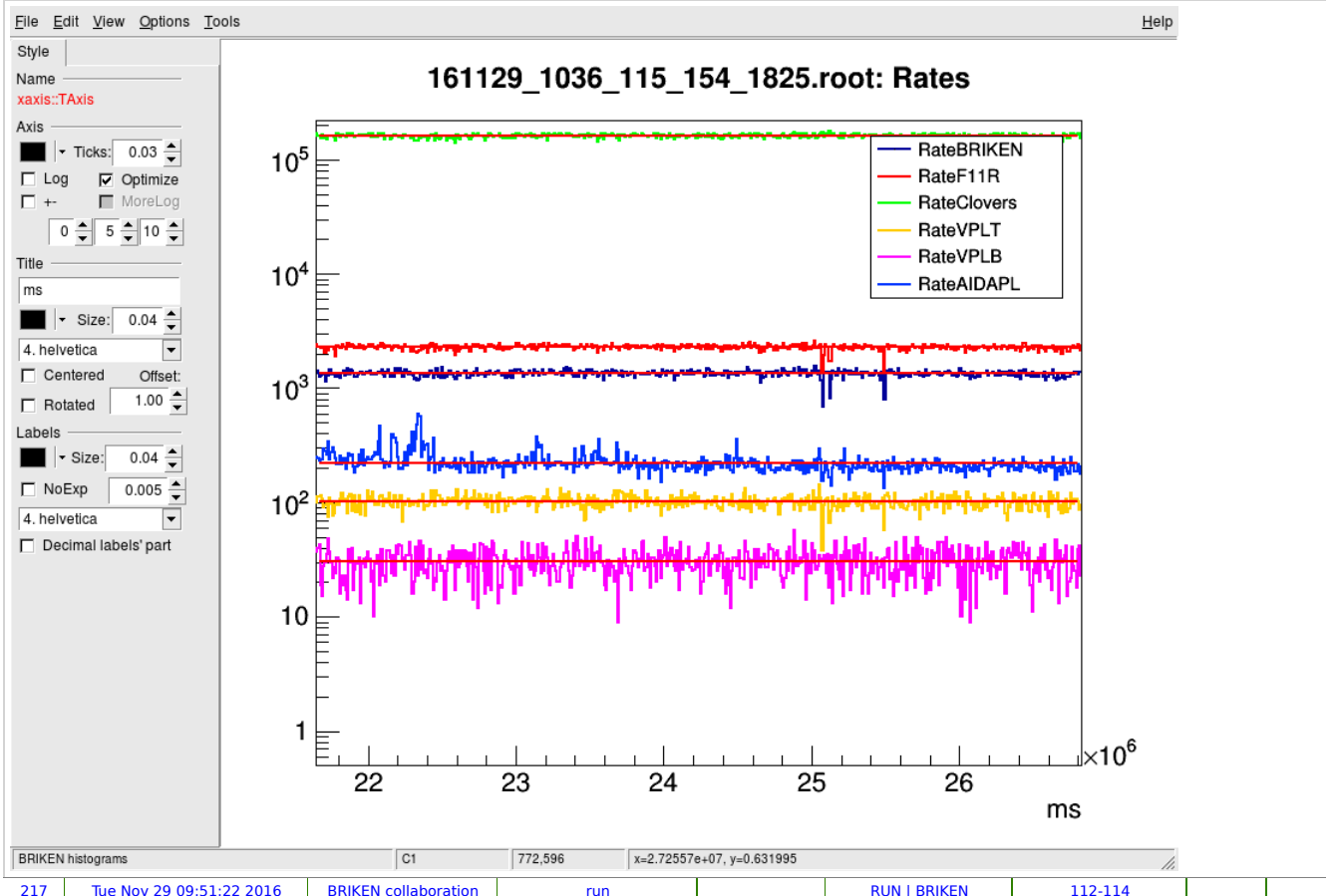| MyCanvas	1212,796	x=1.01169, y=0.00250627

Reset   Exit

Attachment 3: SyncCheckScreen20161129_1422.png

Attachment 4: SyncCheckScreen20161129_1426.png

Attachment 5: SyncCheckScreen20161129_1725.png

Synchronization Check

Check		
Entries		26
Mean x		−43
Mean y		320.6
Std Dev x		0
Std Dev y		0.4865
Integral		13
Skewness x		−inf
Skewness y		8.99e+10
0	0	0
0	13	13
0	0	0

Partial

RIBF1-BRIKEN time difference

Check	
Entries	151
Mean	4.843e+04
Std Dev	2.88e+04
Underflow	0
Overflow	13
Integral	138
Skewness	−1.089

AIDA2-BRIKEN time difference

MyCanvas_2   MyCanvas_2   1178,801   x=0.993169, y=-0.0286654

Reset   Exit

Attachment 6: SyncCheckScreen20161129_1830.png

File Edit View Options Tools   Help

Style

Name
xaxis::TAxis

Axis
■ ▼ Ticks: 0.03
☐ Log   ☑ Optimize
☐ +-   ☐ MoreLog
0 5 10

Title
ms
■ ▼ Size: 0.04
4. helvetica
☐ Centered   Offset:
☐ Rotated   1.00

Labels
■ ▼ Size: 0.04
☐ NoExp   0.005
4. helvetica
☐ Decimal labels' part

161129_1036_115_154_1825.root: Rates

RateBRIKEN
RateF11R
RateClovers
RateVPLT
RateVPLB
RateAIDAPL

ms

BRIKEN histograms   C1   772,596   x=2.72557e+07, y=0.631995

217   Tue Nov 29 09:51:22 2016   BRIKEN collaboration   run   RUN | BRIKEN   112-114

```
=======    START    =======
Date 2016/11/29
Start time     : 09:28
BRIKEN run     : 112
Daq Conf. File : 161129_0326_Conf_BrikenFull.xlsx
DLT File name  : 161129_0928_112.dlt
AIDA run       : 34_00
AIDA start     : 09:28
BigRIPS run    : 1073
BigRIPS start  : 09:27

--------------------------
Shifters:
=======    Setup    =======
Central fragment:  41Al @F8
--- Degraders ---
 Fixed:  8 mm Al to the front of the PE Shielding between Musics chambers.
 Variable:
1=(0.5mm W+1mm Al), 2=(0.3mm W+1mm Al), 3=(1mm W +1mm Al)
1. Out
2. In
3. In
Comment in Run summary "After stripper foil change"

=======   COMMENTS   =======
We observed that the threshold on G7 Red recently installed was extremely high. We stopped the run after 24
minutes of measuring in order to try

------   Rates  ------
Current File: 161129_0928_114_0954.root

 RateBRIKEN     =    208.831 cps
 RateF11R       =    351.82 cps
 RateClovers    =    22262.3 cps
 RateVPLT       =    15.7507 cps
 RateVPLB       =    4.68866 cps
 RateAIDAPL     =    33.2816 cps

=========    END    =========
Date 2016/11/29
BRIKEN run     : 114
BRIKEN stop    : 09:52
ROOT online    : 161129_0928_114_0954.root
AIDA run       : 34_05
AIDA stop      : 09:56
BigRIPS RUN    : 1073
```
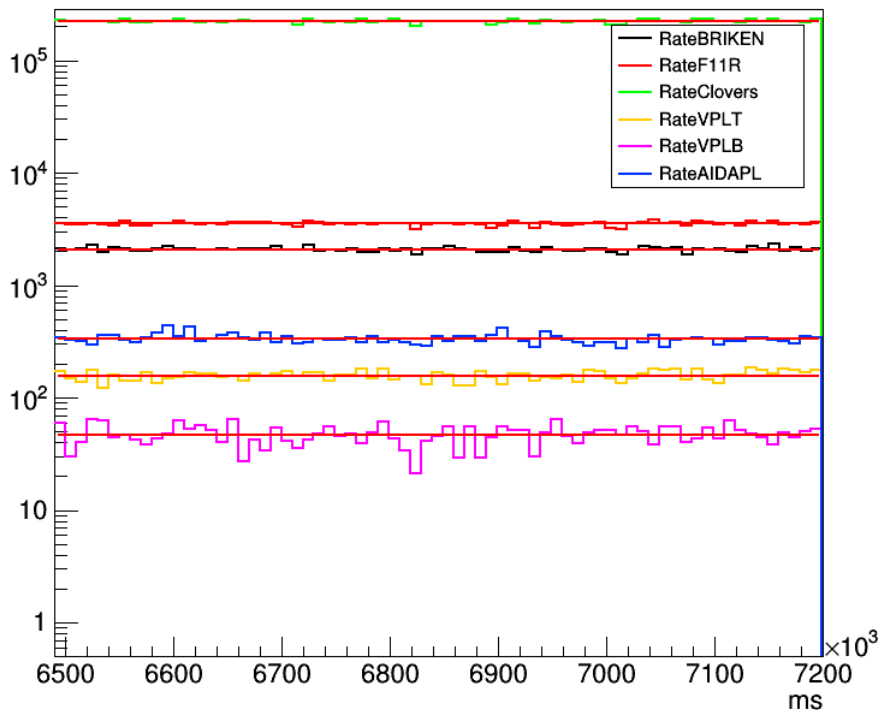
Attachment 1: 161129_0928_112_114_0954_Rates.png

161129_0928_114_0954.root: Rates

| 216 | Tue Nov 29 07:15:58 2016 | BRIKEN collaboration | run | | RUN | BRIKEN | 108-111 | | |

```
=======    START    =======
Date 2016/11/29
Start time     : 07:53
BRIKEN run     : 108
Daq Conf. File : 161129_0326_Conf_BrikenFull.xlsx
```

```
DLT File name   : 161122_0753
AIDA run        : R33_0
AIDA start      : 07:49
BigRIPS run     : 1071
BigRIPS start   : 07:33


---------------------------
Shifters:  AT, CG, RCF
=======    Setup    =======
Central fragment: 41Al @F8
--- Degraders ---
 Fixed:  8 mm Al to the front of the PE Shielding between Musics chambers.
 Variable:
1=(0.5mm W+1mm Al), 2=(0.3mm W+1mm Al), 3=(1mm W +1mm Al)
1. OUT
2. IN
3. IN

======= COMMENTS   =======
07:13  Send reset timeStamp
07:20  Synchronization checked! Saved SyncCheckScreen20161129_0720.png
       Acquisition started.
07:23  LN2 refilled manually in Clover G7.
07:25  AIDA Crushed, run 107 corrupted! Still 10min to get ready
07:51  AIDA ready, reset TS. Sync chequed. Ready to start.
08:01  Synchronization checked! Saved SyncCheckScreen20161129_0801.png
09:16  Stop RUN - They are installing the clover in again.

------  Rates  ------
Current File: 161129_0916_111.root

 RateBRIKEN    =   187.757 cps
 RateF11R      =   377.138 cps
 RateClovers   =   106.431 cps
 RateVPLT      =   16.7666 cps
 RateVPLB      =    5.0146 cps
 RateAIDAPL    =   38.0989 cps


========   END   =========
Date 2016/11/29
BRIKEN run      : 111
BRIKEN stop     : 09:16
ROOT online     : 161129_0916_111.root
AIDA run        : 30_30
AIDA stop       : 09:17
BigRIPS RUN     : 1072
```
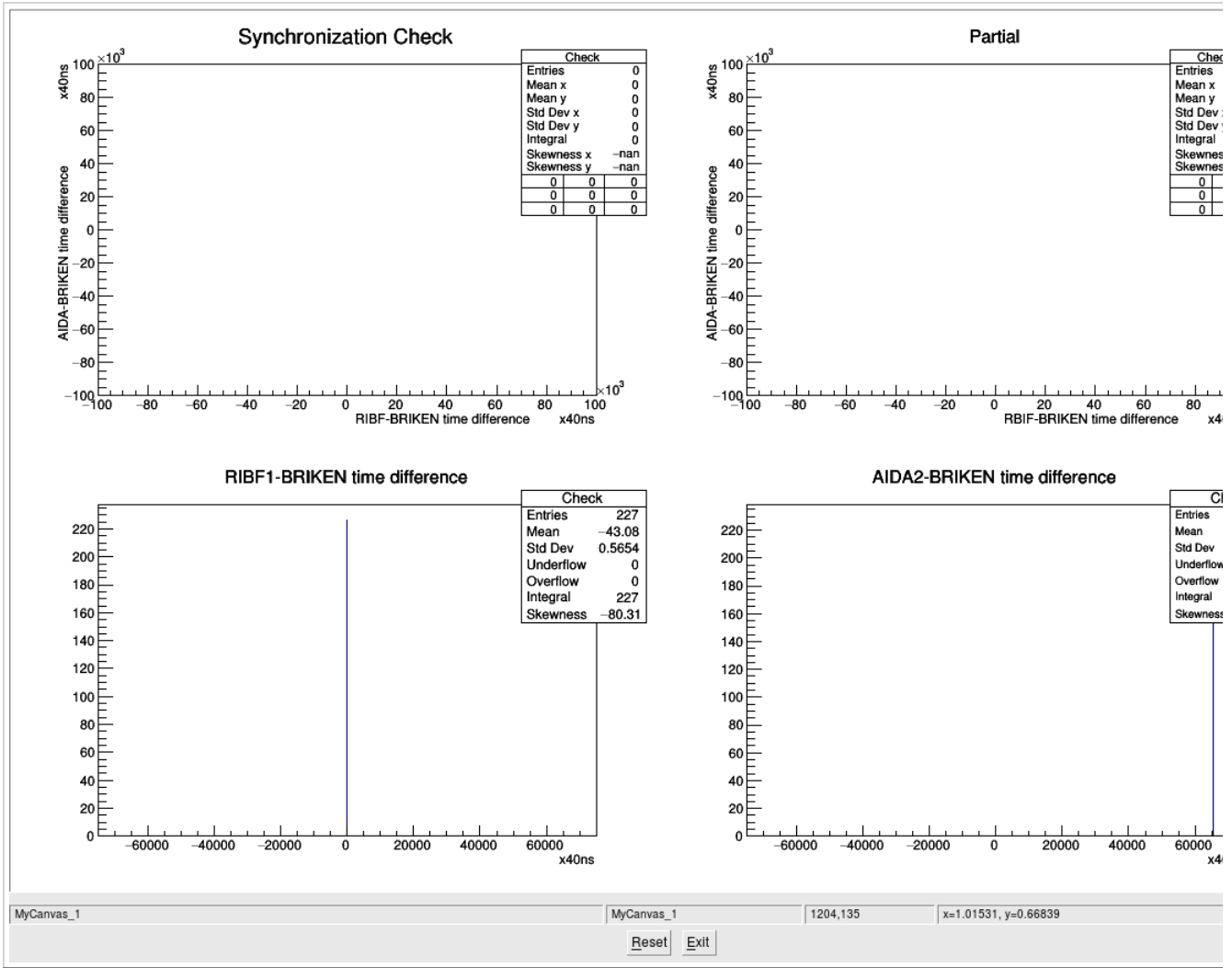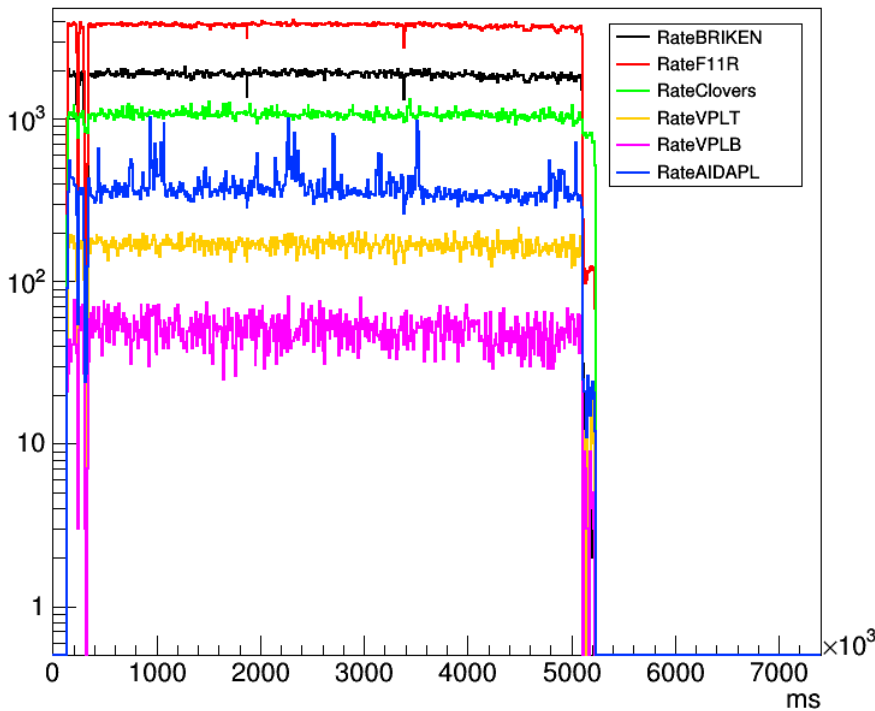
Attachment 1: SyncCheckScreen20161129_0801.png

Synchronization Check

Check	
Entries	0
Mean x	0
Mean y	0
Std Dev x	0
Std Dev y	0
Integral	0
Skewness x	−nan
Skewness y	−nan

0	0	0
0	0	0
0	0	0

Partial

Check	
Entries	
Mean x	
Mean y	
Std Dev	
Std Dev y	
Integral	
Skewness	
Skewness	

RIBF1-BRIKEN time difference

Check	
Entries	227
Mean	−43.08
Std Dev	0.5654
Underflow	0
Overflow	0
Integral	227
Skewness	−80.31

AIDA2-BRIKEN time difference

C	
Entries	
Mean	
Std Dev	
Underflow	
Overflow	
Integral	
Skewness	

MyCanvas_1   MyCanvas_1   1204,135   x=1.01531, y=0.66839

Reset   Exit

Attachment 2: 161129_0916_111_Rates.png

161129_0916_111.root: Rates

——	RateBRIKEN
——	RateF11R
——	RateClovers
——	RateVPLT
——	RateVPLB
——	RateAIDAPL

| 215 | Tue Nov 29 03:24:29 2016 | BRIKEN collaboration | run | | RUN \| BRIKEN | 099-106 | |

```
======   START   ======
Date 2016/11/29
Start time    : 03:25
BRIKEN run    : 099
Daq Conf. File  : 161128_1944_Conf_BrikenFull.xlsx
DLT File name   : 111629_0325
AIDA run      : R31_0
AIDA start    : 03:24
BigRIPS run   : 1067
BigRIPS start   : 03:22

--------------------------
Shifters:  AT CG
======   Setup   ======
Central fragment:  41Al @F8
--- Degraders ---
 Fixed:  8 mm Al to the front of the PE Shielding between Musics chambers.
 Variable:
1=(0.5mm W+1mm Al), 2=(0.3mm W+1mm Al), 3=(1mm W +1mm Al)
1. OUT
2. IN
3. IN


======   COMMENTS   ======
03:20   Integration lower limit for AIDAPL has been increased up to 0.5 MeV. A new conf file
        (used during this run) has been saved.
03:47   SyncCheckScreen20161129_0347.png Saved!
04:30   Saved SyncCheckScreen20161129_0430.png and online 161129_0325_099_0431.root!
06:07   SyncCheckScreen20161129_0606.png Saved!
06:20   Acquisition stopped before LN2 refiling.


------   Rates   ------

 RateBRIKEN    =    199.807 cps
 RateF11R      =    400.244 cps
 RateClovers   =    108.109 cps
 RateVPLT      =    17.6983 cps
 RateVPLB      =    5.58553 cps
 RateAIDAPL    =    43.5087 cps (baseline)


=========   END   =========
Date 2016/11/29
BRIKEN run    : 106
BRIKEN stop   : 06:20
ROOT online   : 161129_0325_099_0431.root, 161129_0325_099_0608.root, 161129_0325_099_0620.root
AIDA run      : R31-55
AIDA stop     : 06:21
BigRIPS RUN   : 1069
```
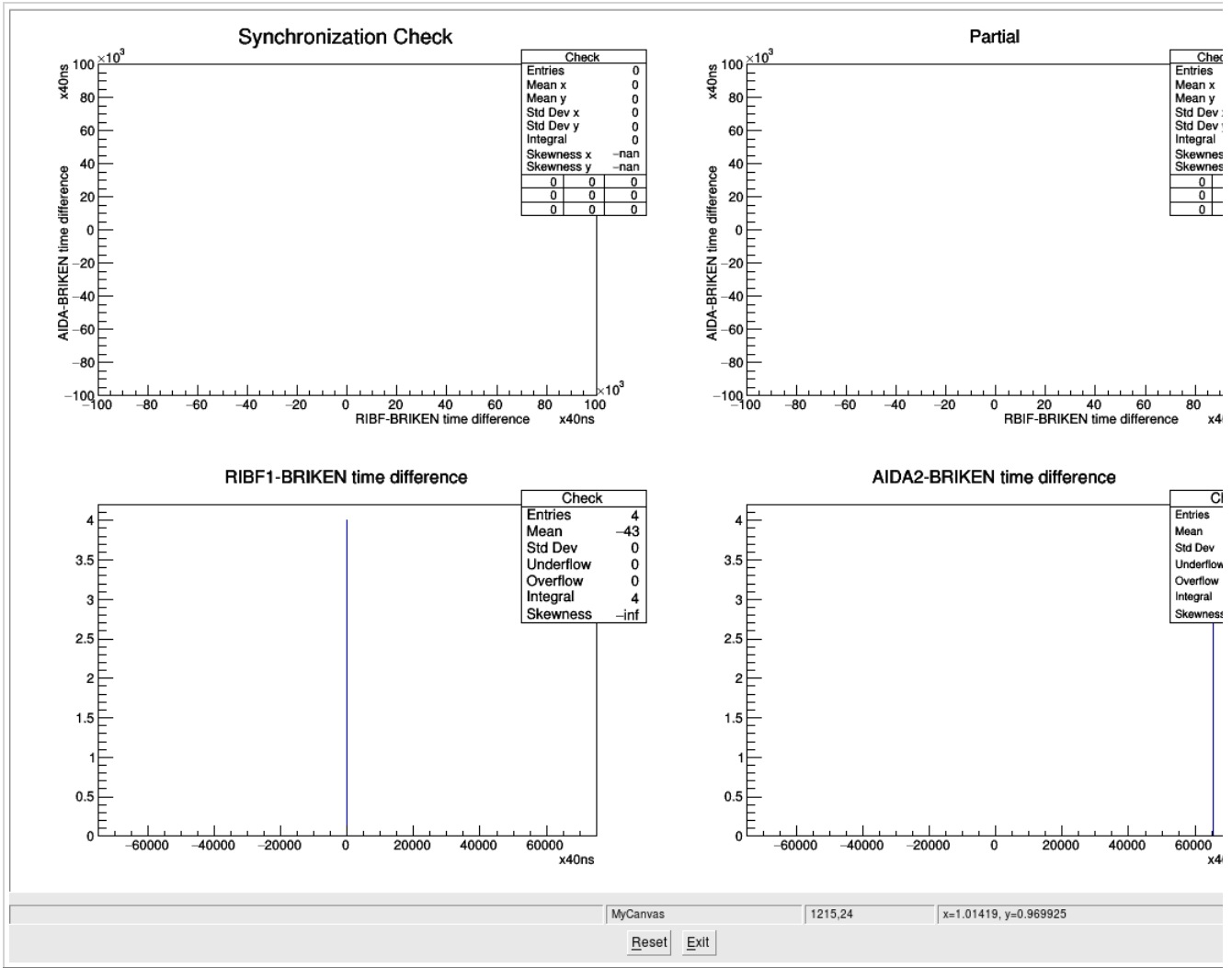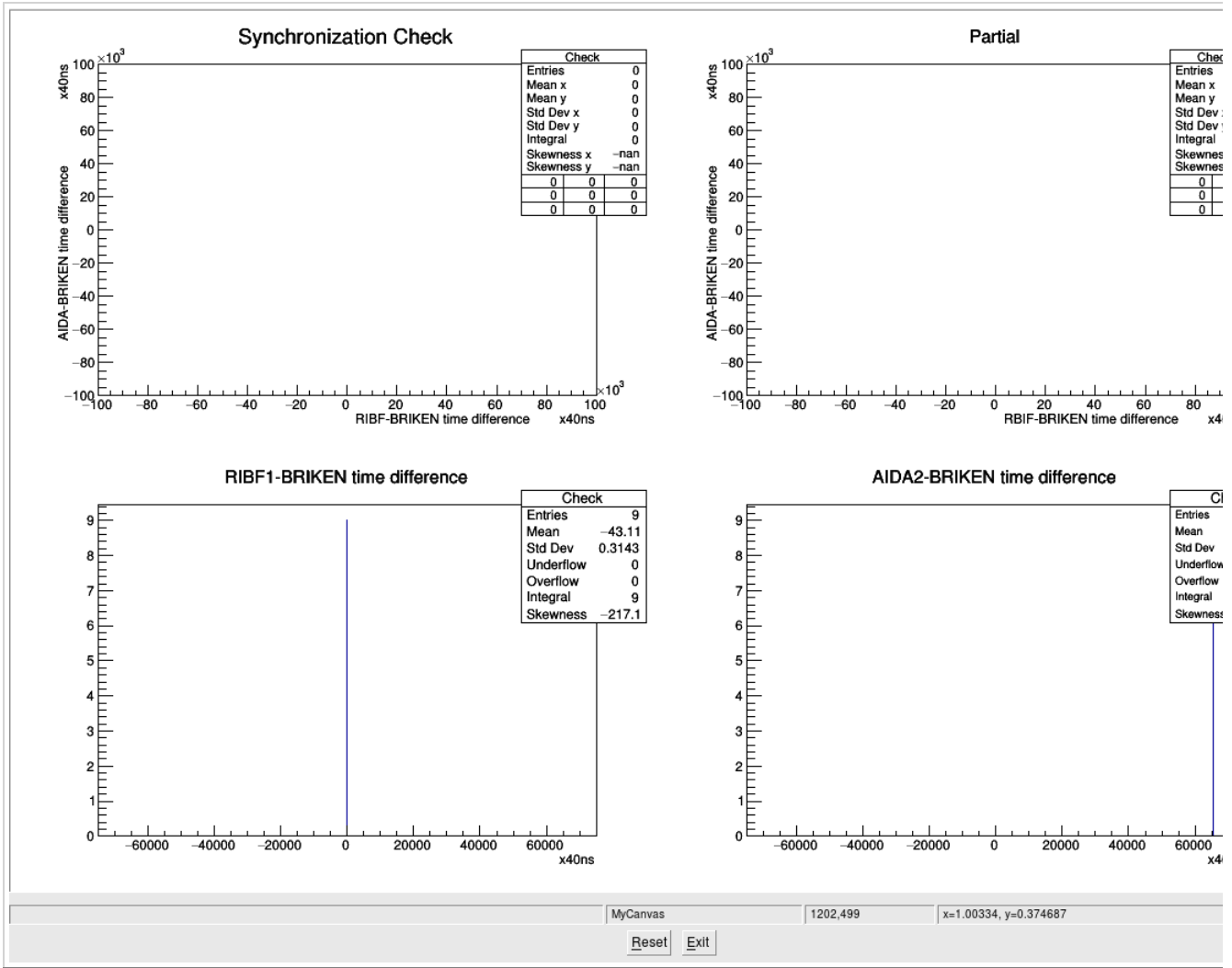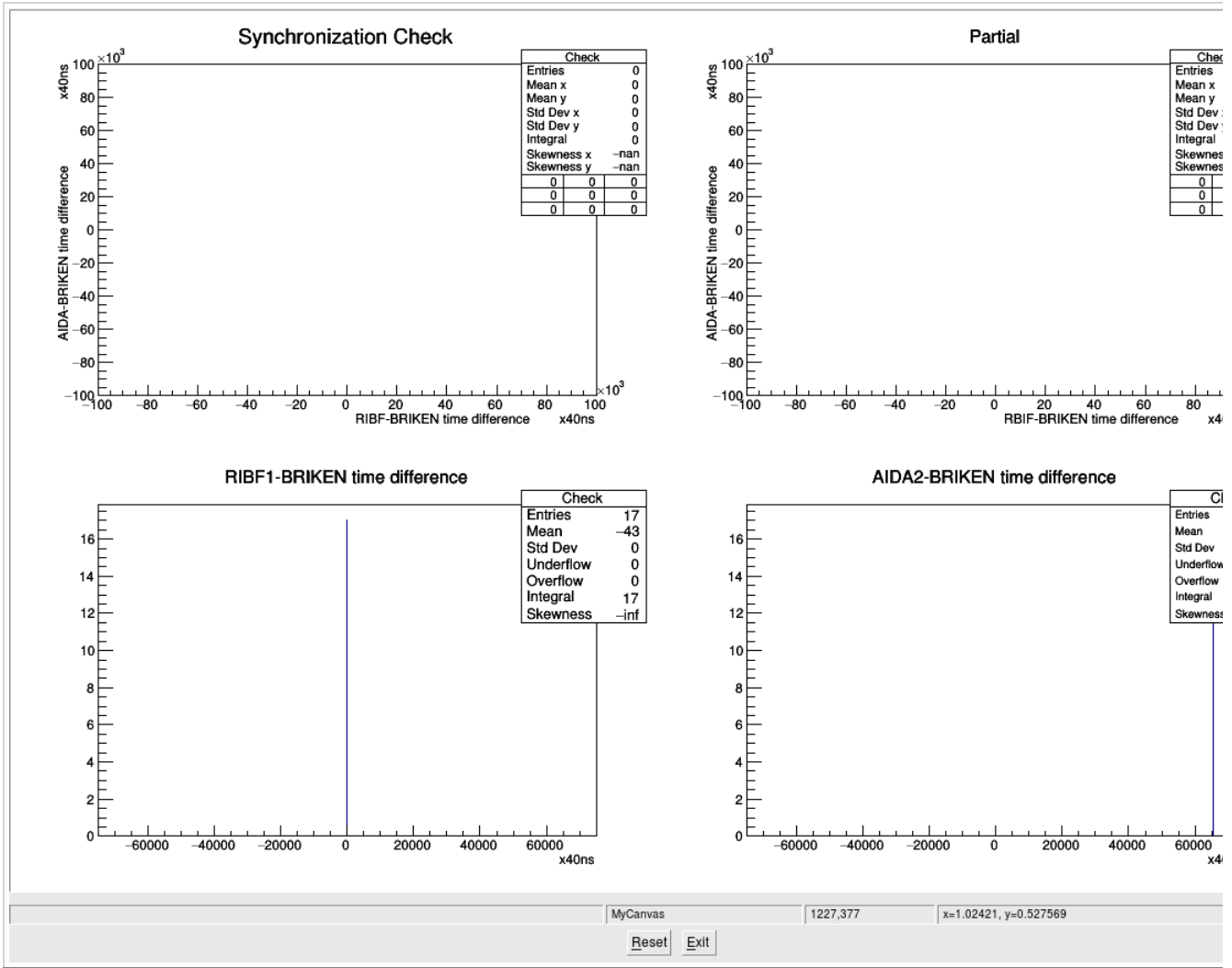
Attachment 1: SyncCheckScreen20161129_0347.png

Synchronization Check

	Check	
Entries		0
Mean x		0
Mean y		0
Std Dev x		0
Std Dev y		0
Integral		0
Skewness x		−nan
Skewness y		−nan
0	0	0
0	0	0
0	0	0

Partial

	Chec
Entries	
Mean x	
Mean y	
Std Dev	
Std Dev	
Integral	
Skewnes	
Skewnes	
0	
0	
0	

RIBF1-BRIKEN time difference

Check	
Entries	4
Mean	−43
Std Dev	0
Underflow	0
Overflow	0
Integral	4
Skewness	−inf

AIDA2-BRIKEN time difference

C
Entries
Mean
Std Dev
Underflow
Overflow
Integral
Skewness

MyCanvas	1215,24	x=1.01419, y=0.969925

Reset　Exit

Attachment 2: SyncCheckScreen20161129_0430.png

Synchronization Check

Check	
Entries	0
Mean x	0
Mean y	0
Std Dev x	0
Std Dev y	0
Integral	0
Skewness x	−nan
Skewness y	−nan

	0	0	0
	0	0	0
	0	0	0

AIDA-BRIKEN time difference

RIBF-BRIKEN time difference   x40ns

Partial

Chec	
Entries	
Mean x	
Mean y	
Std Dev	
Std Dev	
Integral	
Skewnes	
Skewnes	

	0	
	0	
	0	

AIDA-BRIKEN time difference

RBIF-BRIKEN time difference   x4

RIBF1-BRIKEN time difference

Check	
Entries	9
Mean	−43.11
Std Dev	0.3143
Underflow	0
Overflow	0
Integral	9
Skewness	−217.1

x40ns

AIDA2-BRIKEN time difference

Cl	
Entries	
Mean	
Std Dev	
Underflow	
Overflow	
Integral	
Skewness	

x4

MyCanvas	1202,499	x=1.00334, y=0.374687

Reset   Exit

Attachment 3: SyncCheckScreen20161129_0606.png

Synchronization Check

Check			
Entries	0		
Mean x	0		
Mean y	0		
Std Dev x	0		
Std Dev y	0		
Integral	0		
Skewness x	−nan		
Skewness y	−nan		
0	0	0	
0	0	0	
0	0	0	

Partial

Chec	
Entries	
Mean x	
Mean y	
Std Dev	
Std Dev	
Integral	
Skewnes	
Skewnes	
0	
0	
0	

RIBF1-BRIKEN time difference

Check	
Entries	17
Mean	−43
Std Dev	0
Underflow	0
Overflow	0
Integral	17
Skewness	−inf

AIDA2-BRIKEN time difference

C	
Entries	
Mean	
Std Dev	
Underflow	
Overflow	
Integral	
Skewness	

MyCanvas   1227,377   x=1.02421, y=0.527569

Reset   Exit

Attachment 4: 161129_0325_099_0620_Rates.png

161129_0325_099_0620.root: Rates

—	RateBRIKEN
—	RateF11R
—	RateClovers
—	RateVPLT
—	RateVPLB
—	RateAIDAPL
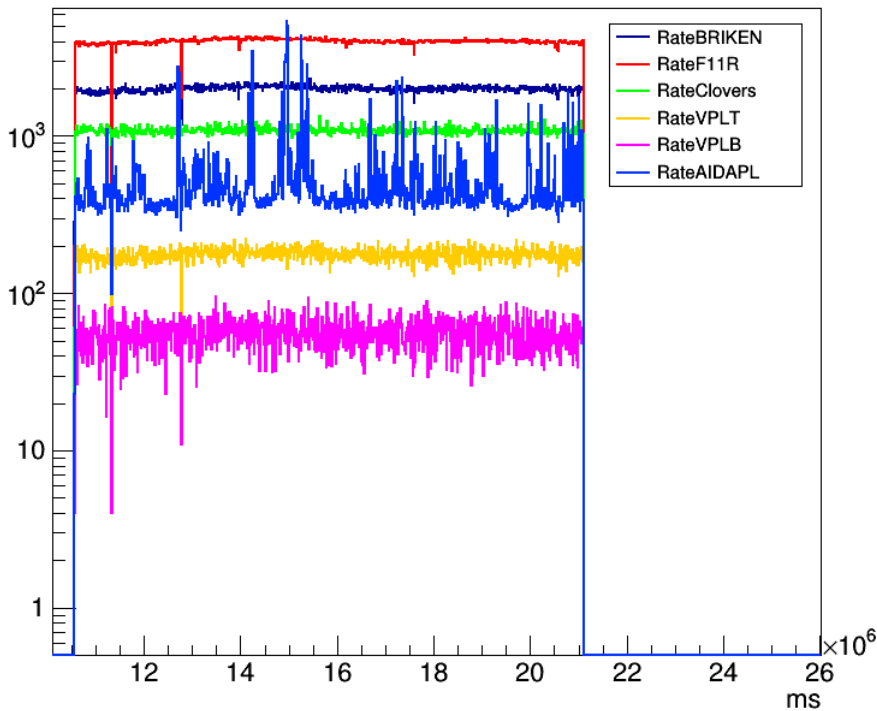
| 214 | Tue Nov 29 03:21:16 2016 | BRIKEN collaboration | Conf file | Configuration | DAQ | BRIKEN | | |

03:20   Integration time for AIDAPL has been increased up to 0.5MeV. New configuration file is saved.

| 213 | Tue Nov 29 00:48:32 2016 | BRIKEN collaboration | run | | | 092-098 | | |

```
=======   START   =======
Date 2016/11/29
Start time      : 00:39
BRIKEN run      : 092
Daq Conf. File  : 161128_1944_Conf_BrikenFull.xlsx
DLT File name   : 161129_0039
AIDA run        : R30_57
AIDA start      :
BigRIPS run     :
BigRIPS start   :


--------------------------
Shifters:  AE, AT CG
=======   Setup   =======
Central fragment:  41Al @F8
--- Degraders ---
 Fixed:  8 mm Al to the front of the PE Shielding between Musics chambers.
 Variable:
1=(0.5mm W+1mm Al), 2=(0.3mm W+1mm Al), 3=(1mm W +1mm Al)
1. OUT
2. IN
3. IN

=======   COMMENTS   =======
01:45  Online saved!
02:51  Saved SyncCheck_161129_0251.png
03:04  Beam stop due to accelerator problem (LINAC RF down).


------   Rates   ------
 RateBRIKEN     =    201.128 cps
 RateF11R       =    402.382 cps
 RateClovers    =    109.296 cps
 RateVPLT       =    17.7921 cps
 RateVPLB       =    5.52538 cps
 RateAIDAPL     =    38.7397 cps (baseLine)


=========   END   =========
Date 2016/11/28
BRIKEN run      : 098
BRIKEN stop     : 03:13
ROOT online     : 161129_0039_092_0145.root, 161129_0039_092_0314.root
AIDA run        : R30_93
AIDA stop       : 03:15
BigRIPS RUN     : 1066
```

Attachment 1: SyncCheck_161129_0251.png
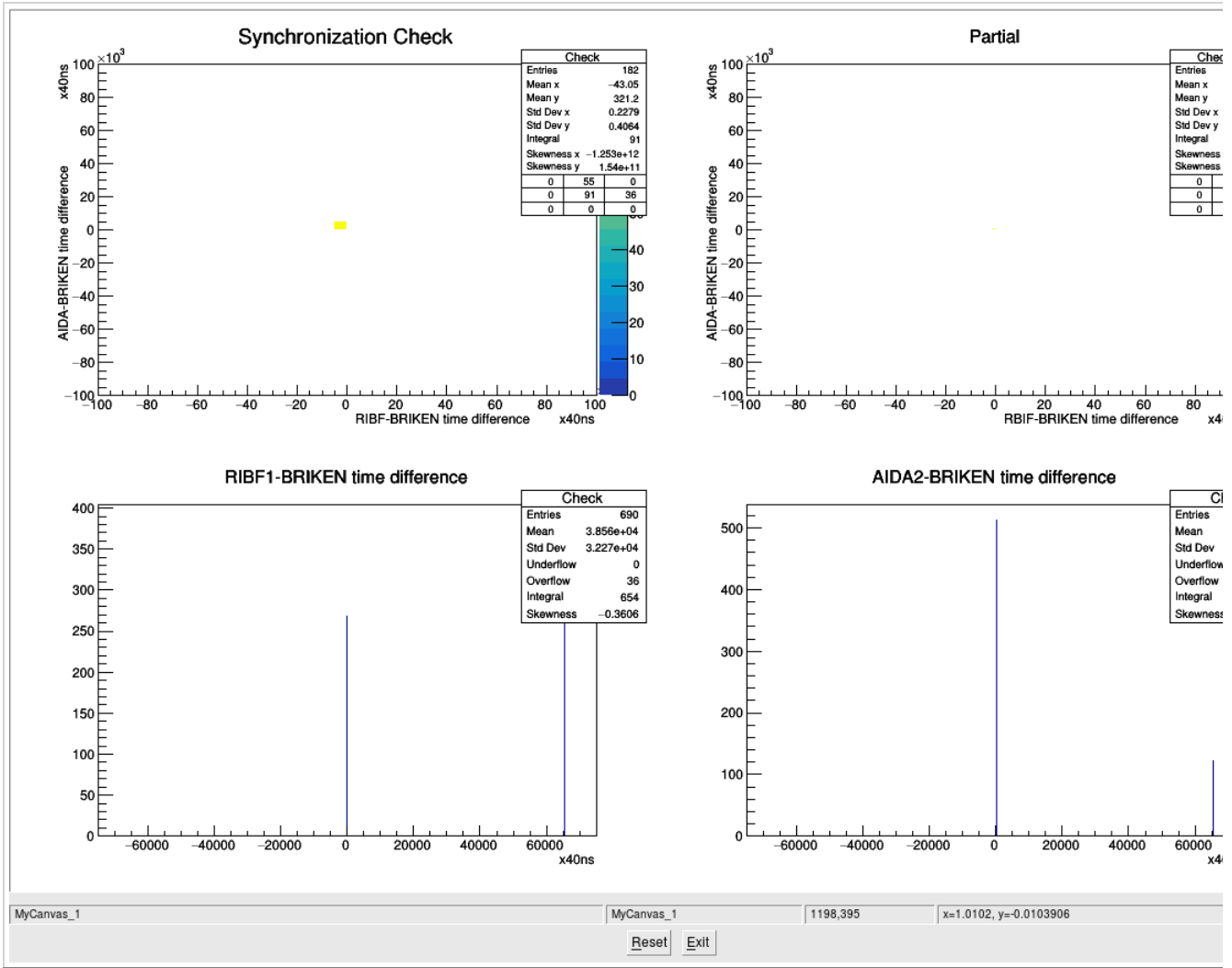
| 212 | Tue Nov 29 00:48:01 2016 | BRIKEN collaboration | DAQ Syncronization | Remarks | DAQ | | |

See note on state of DAQ synchronization in AIDA elog entry: https://elog.ph.ed.ac.uk/AIDA/493

| 211 | Mon Nov 28 20:18:54 2016 | BRIKEN collaboration | run | | RUN | BRIKEN | 080-090 | |

```
======    START    ======
Date 2016/11/28
Start time      : 20:07
BRIKEN run      : 080
Daq Conf. File  : 161128_1944_Conf_BrikenFull.xlsx
DLT File name   : 161128_2007
AIDA run        : R30_1
AIDA start      : 20:07
BigRIPS run     : 1060
BigRIPS start   : 20:06


--------------------------
Shifters:  AT&AT TD AE
======    Setup     ======
Central fragment:  41Al @F8
--- Degraders ---
 Fixed: 8 mm Al to the front of the PE Shielding between Musics chambers.
 Variable:
1=(0.5mm W+1mm Al), 2=(0.3mm W+1mm Al), 3=(1mm W +1mm Al)
1. OUT
2. IN
3. IN


======  COMMENTS   ======
19:50  TimeStamp has been reset two times before this run.
       Daq Conf File has been CHANGED!
       Degrader configuration has been changed respect to the last run.
20:16  SyncCheck saved  SyncCheck_161128_2016.png

00:00  The online might have been cleared by mistake at some point of this run!

00:10  RateAIDAPlastic present still spikes. Threshold has been changed, but integration lower limit should
       be increased!

------  Rates  ------
 RateBRIKEN     =    205.761 cps
 RateF11R       =    412.129 cps
 RateClovers    =    108.862 cps
 RateVPLT       =     18.241 cps
```

```
 RateVPLB        =    5.74833 cps
 RateAIDAPL      =   39.1461 cps



=========   END   =========
Date 2016/11/29
BRIKEN run       : 090
BRIKEN stop      : 00:24
ROOT online      : 161128_2007_080.root
AIDA run         : R30_56
AIDA stop        :
BigRIPS RUN      : 1064
```
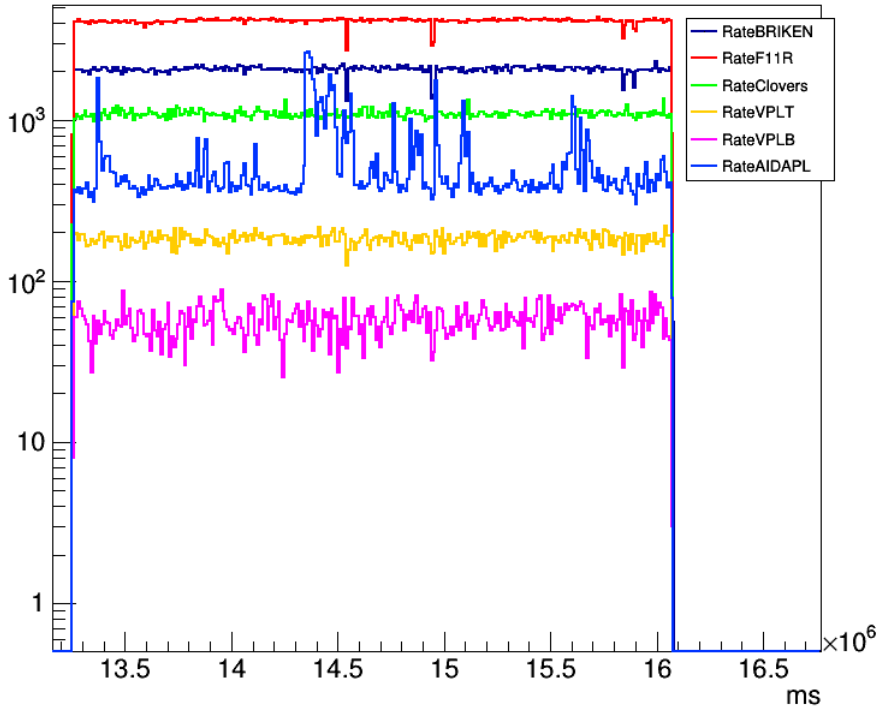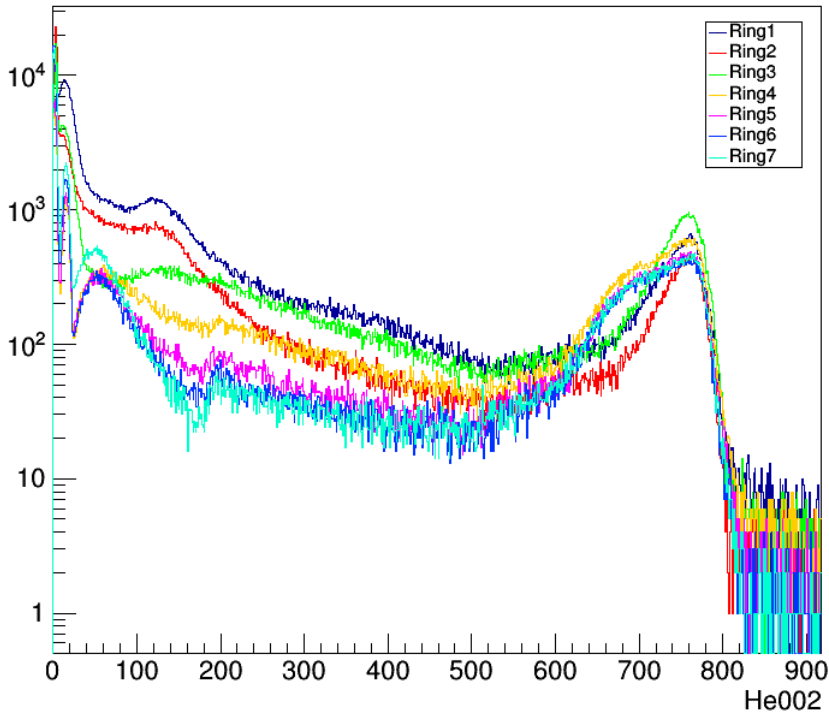
Attachment 1: SyncCheck_161128_2016.png
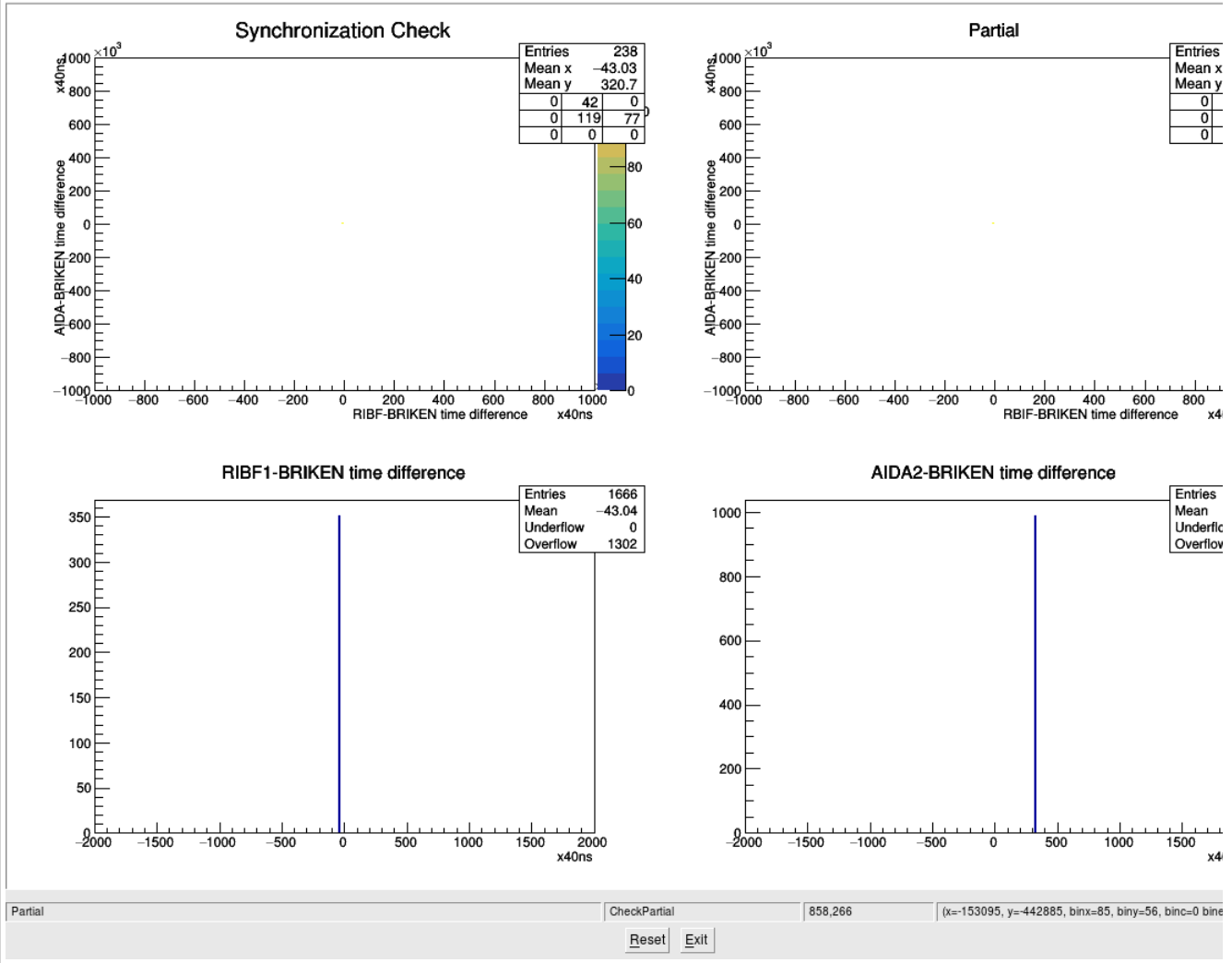
Attachment 2: 161128_2007_080_Rates.png

161128_2007_080.root: Rates

Attachment 3: 161128_2007_080_Rings.png

161128_2007_080.root: Rings

210	Mon Nov 28 19:53:44 2016	BRIKEN collaboration	Degrader	Configuration	Accelerator	BRIKEN			

19:45 The degrader configuration has been changed. Fixed 3mm Pb has been removed. 8mm Al has been placed in the beam as a fixed degrader.

209	Mon Nov 28 19:47:14 2016	BRIKEN collaboration	New conf file	Configuration	DAQ	BRIKEN			

Threshold for AIDAPL is increased a little bit to reduce deadtime in the online.
New conf file is   161128_1944_Conf_BrikenFull.xlsx

208	Mon Nov 28 15:04:43 2016	BRIKEN collaboration	run			74-79	40Mg	

```
======   START   ======
Date 2016/11/28
Start time    : 14:31
BRIKEN run    : 074
```

```
Daq Conf. File  : 161128Conf_BrikenFull.xlsx
DLT File name   : 161128_1431
AIDA run        : R29-0
AIDA start      : 14:31
BigRIPS run     : 1054
BigRIPS start   : 14:29

---------------------------
Shifters:  AT GK KD PV
=======    Setup    =======
Central fragment:  41Al @F8
--- Degraders ---
 Fixed: 3mm Pb between Musics chambers
 Included lead shieldings around the beam.
 Variable:
1=(0.5mm W+1mm Al), 2=(0.3mm W+1mm Al), 3=(1mm W +1mm Al)
1. OUT
2. IN
3. IN


=======   COMMENTS   =======
HH:MM

------   Rates   ------
 RateBRIKEN    =   156.043 cps
 RateF11R      =   319.53 cps
 RateClovers   =   178.326 cps
 RateVPLT      =    22.8483 cps
 RateVPLB      =    10.1259 cps
 RateAIDAPL    =    39.3432 cps


=========   END   =========
Date 2016/11/28
BRIKEN run      : 79
BRIKEN stop     : 18.22
ROOT online     : 161128_1432_079.root
AIDA run        : R29_47
AIDA stop       : 18.22
BigRIPS RUN     : 1058
```

207	Mon Nov 28 15:02:48 2016	BRIKEN collaboration	run						

```
=======    START    =======
Date 2016/11/28
Start time      : 11:12
BRIKEN run      : 056
Daq Conf. File  : 161128Conf_BrikenFull.xlsx
DLT File name   : 161128_1112
AIDA run        : R28-0
AIDA start      : 11:08
BigRIPS run     : 1049
BigRIPS start   : 09:15

---------------------------
Shifters:  AT GK KD
=======    Setup    =======
Central fragment:  41Al @F8
--- Degraders ---
 Fixed: 3mm Pb between Musics chambers
 Included lead shieldings around the beam.
 Variable:
1=(0.5mm W+1mm Al), 2=(0.3mm W+1mm Al), 3=(1mm W +1mm Al)
1. OUT
2. IN
3. IN
```

206	Mon Nov 28 09:20:29 2016	BRIKEN collaboration	run		RUN	BRIKEN	045		

```
=======    START    =======
Date 2016/11/28
Start time      : 09:15
BRIKEN run      : 045
Daq Conf. File  : 161128Conf_BrikenFull.xlsx
DLT File name   : 161128_0915
AIDA run        : R27-17
AIDA start      : 09:17
BigRIPS run     : 1049
BigRIPS start   : 09:15

---------------------------
Shifters:  AT GK KD
=======    Setup    =======
Central fragment:  41Al @F8
--- Degraders ---
 Fixed: 3mm Pb between Musics chambers
 Included lead shieldings around the beam.
 Variable:
1=(0.5mm W+1mm Al), 2=(0.3mm W+1mm Al), 3=(1mm W +1mm Al)
1. OUT
2. IN
3. IN

=======   COMMENTS   =======
```

```
09:13 Clover G7Red Plugged in again.

AIDAPL gain has been increased by SN from 900V to 1000V.

------  Rates  ------
BRIKEN  :      Hz
F11R    :      Hz
Clovers :      Hz
VPLT    :      Hz
VPLB    :      Hz
AIDAPL  :      Hz


========  END  =========
Date 2016/11/28
BRIKEN run    :
BRIKEN stop   :
ROOT online   :
AIDA run      :
AIDA stop     :
BigRIPS RUN   :
```

| 205 | Mon Nov 28 09:19:57 2016 | BRIKEN collaboration | Clovers | Problem Fixed | BRIKEN | | | |

```
According to GK, the new preamplifier is a little bit larger than the
previous one, and it was in contact the case of the clover. They open the case to make some space to the preamp.
The signals were checked and looks ok.
```

| 204 | Mon Nov 28 08:08:07 2016 | BRIKEN collaboration | run | | RUN | BRIKEN | 043 | | |

```
======   START   ======
Date 2016/11/28
Start time    : 07:51
BRIKEN run    : 043
Daq Conf. File : 161128Conf_BrikenFull.xlsx
DLT File name : 161128_0751
AIDA run      : R27_0
AIDA start    : 07:41
BigRIPS run   : 40Mg-1047
BigRIPS start : 07:37


--------------------------
Shifters:  AT, LIU, CG
======   Setup    ======
Central fragment:  41Al @F8
--- Degraders ---
 Fixed: 3mm Pb between Musics chambers
 Variable:
1=(0.5mm W+1mm Al), 2=(0.3mm W+1mm Al), 3=(1mm W +1mm Al)
1. OUT
2. IN
3. IN


======   COMMENTS   ======
07:50 TimeStamp was reset 3 times previously to this run.
09:00 Beam off for change of stripper foils.

Obs: Due to changes in the configuration of the
------  Rates  ------
 RateBRIKEN    =   176.78 cps
 RateF11R      =   297.934 cps
 RateClovers   =   202.222 cps
 RateVPLT      =   15.9066 cps
 RateVPLB      =   5.35657 cps
 RateAIDAPL    =   45.2196 cps

========  END  =========
Date 2016/11/28
BRIKEN run    : 044
BRIKEN stop   : 09:01
ROOT online   : 161128_0751_043.root
AIDA run      : 27
AIDA stop     : 09:00 (not stopped the run)
BigRIPS RUN   : 1048
```

| 203 | Mon Nov 28 08:03:18 2016 | BRIKEN collaboration | run | | RUN | BRIKEN | 042 | | |

```
07:47 Run is started but there were problems with the Block. Therefore run was stopped 3 min later. File:
161128_0746_042.dlt
```

| 202 | Mon Nov 28 06:34:56 2016 | BRIKEN collaboration | DAQ Configuration file | Configuration | DAQ | BRIKEN | | | |

```
From here changes in online rates!

A new configuration file has been created:
161128Conf_BrikenFull.xlsx

Changes in the Daq configuration are
- Integration limits for rates F11R, VPLT, VPLB, SiT, SiB.
- Thresholds for F11R and vetos  VPLT, VPLB, SiT, SiB.

Configuration file is included!
```

Attachment 1: 161128Conf_BrikenFull.xlsx