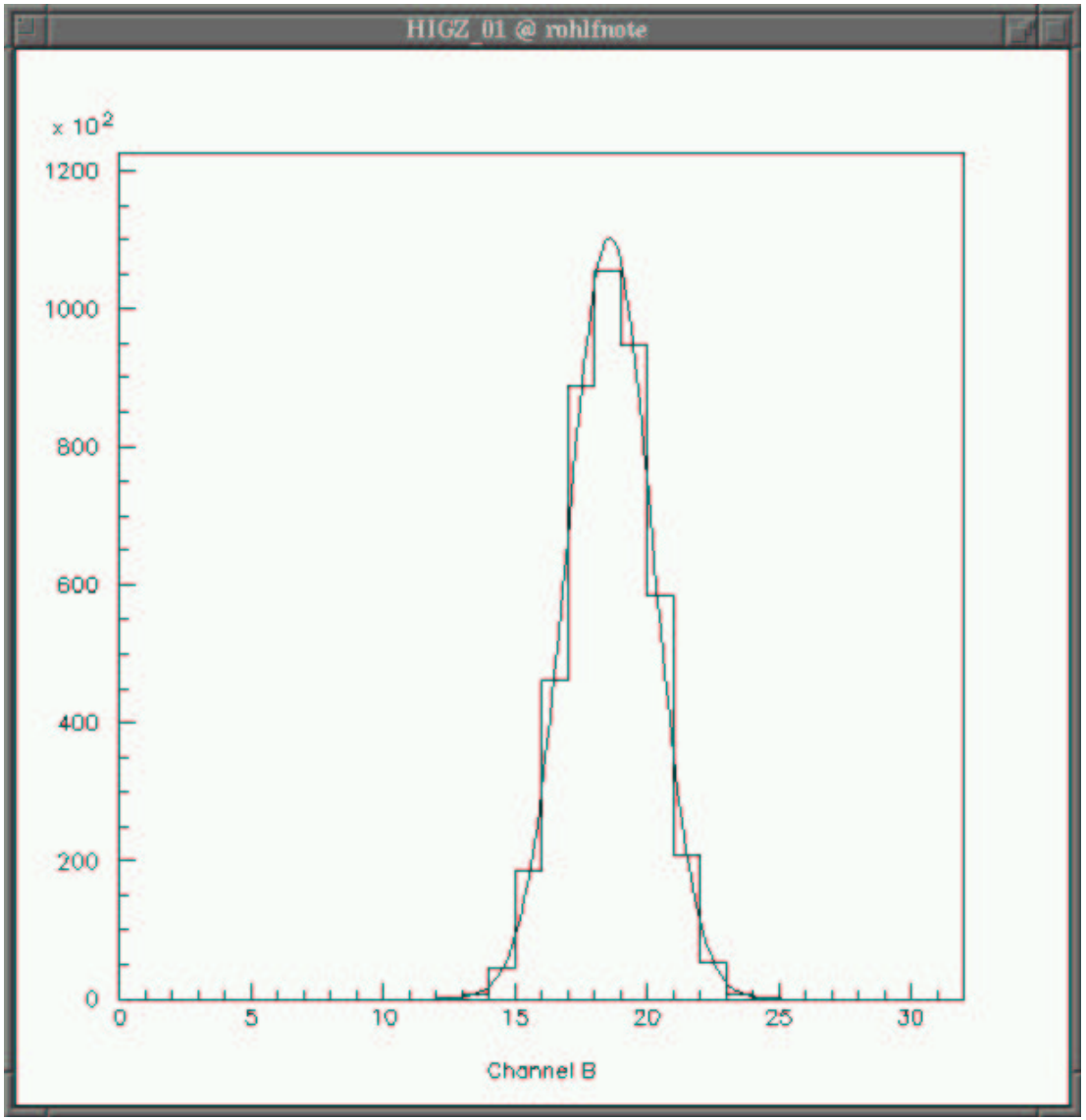


Run 10261, pedestal Ch. B all Caps

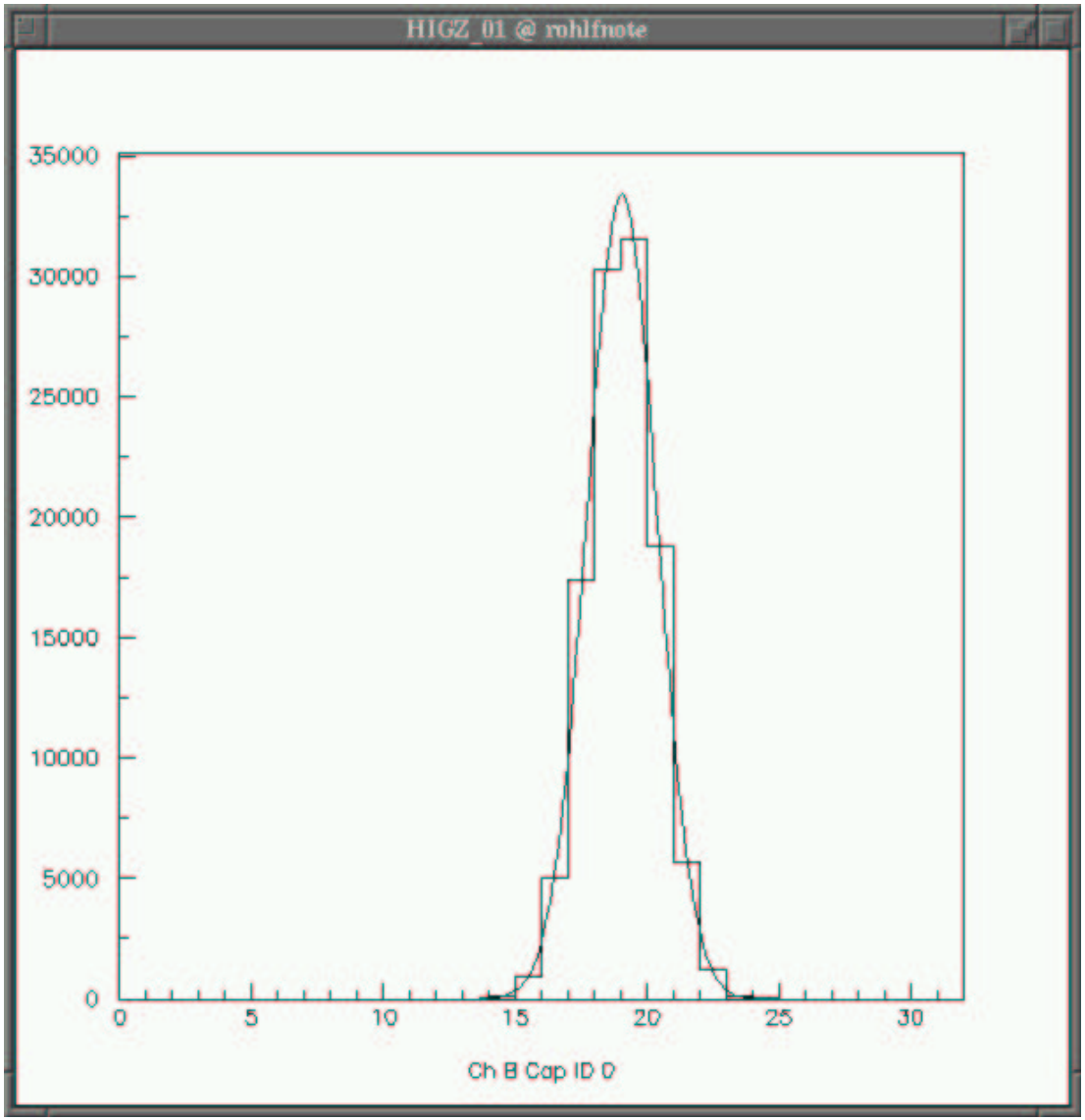
0.4 M events

18.089 ± 0.002

σ = 1.603 ± 0.002

EXT PARAMETER NO.	NAME	VALUE	ERROR	STEP SIZE	FIRST DERIVATIVE
1	Constant	0.11041E+06	200.12	279.31	−0.41532E−07
2	Mean	18.589	0.24187E−02	0.47027E−01	−16.952
3	Sigma	1.6027	0.16153E−02	0.40546E−02	−13.280

CHISQUARE = 0.5797E+02 NPFIT = 18



Run 10261, pedestal
Ch. B Cap ID = 0

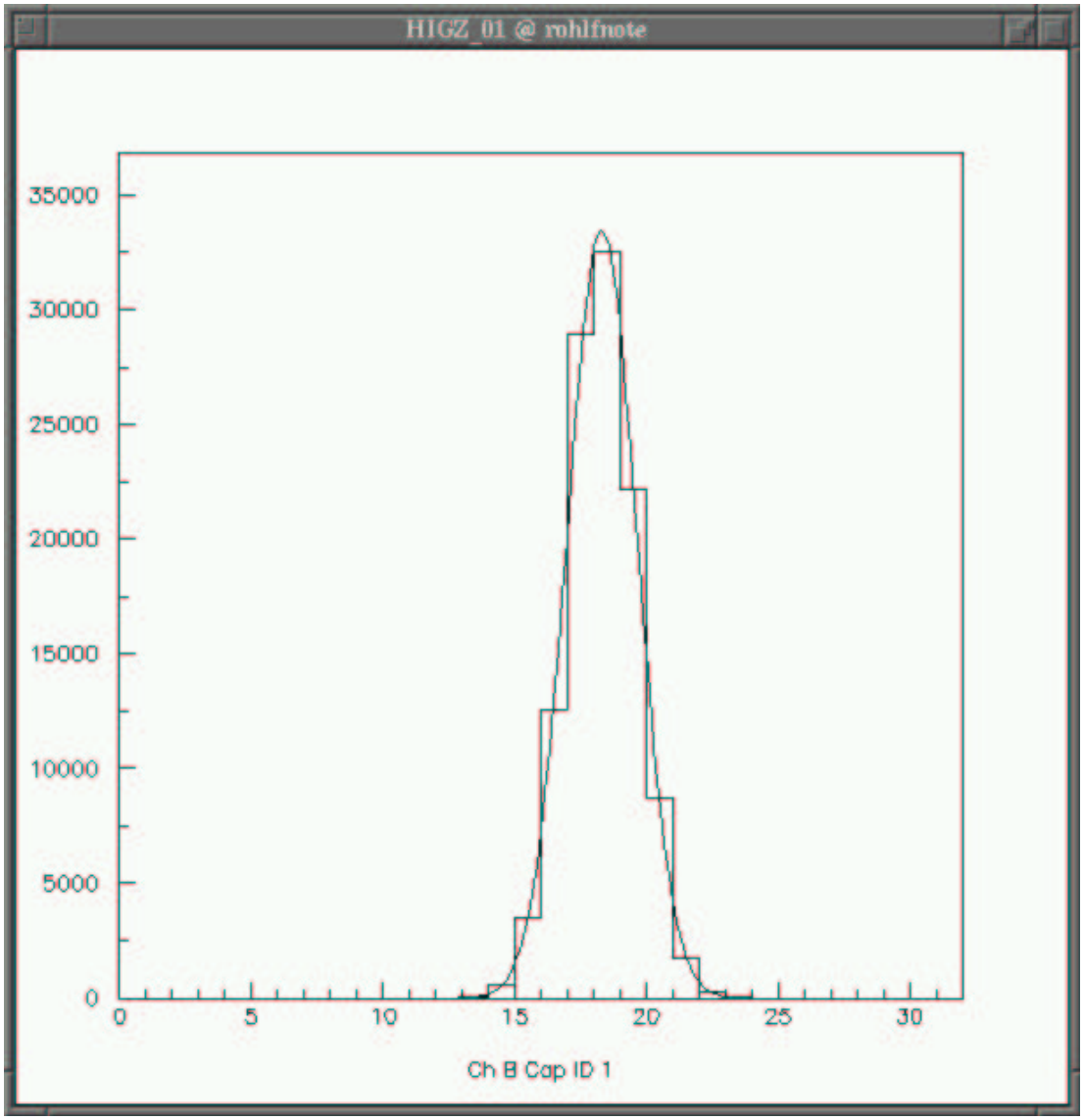
0.1 M events

18.550 ± 0.004

σ = 1.324 ± 0.003

EXT PARAMETER NO.	NAME	VALUE	ERROR	STEP SIZE	FIRST DERIVATIVE
1	Constant	33454.	124.09	84.632	−0.91608E−05
2	Mean	19.050	0.39749E−02	0.48194E−01	0.17653
3	Sigma	1.3239	0.28546E−02	0.33492E−02	−2.5962

CHISQUARE = 0.7285E+01 NPFIT = 15



Run 10261, pedestal
Ch. B Cap ID = 1

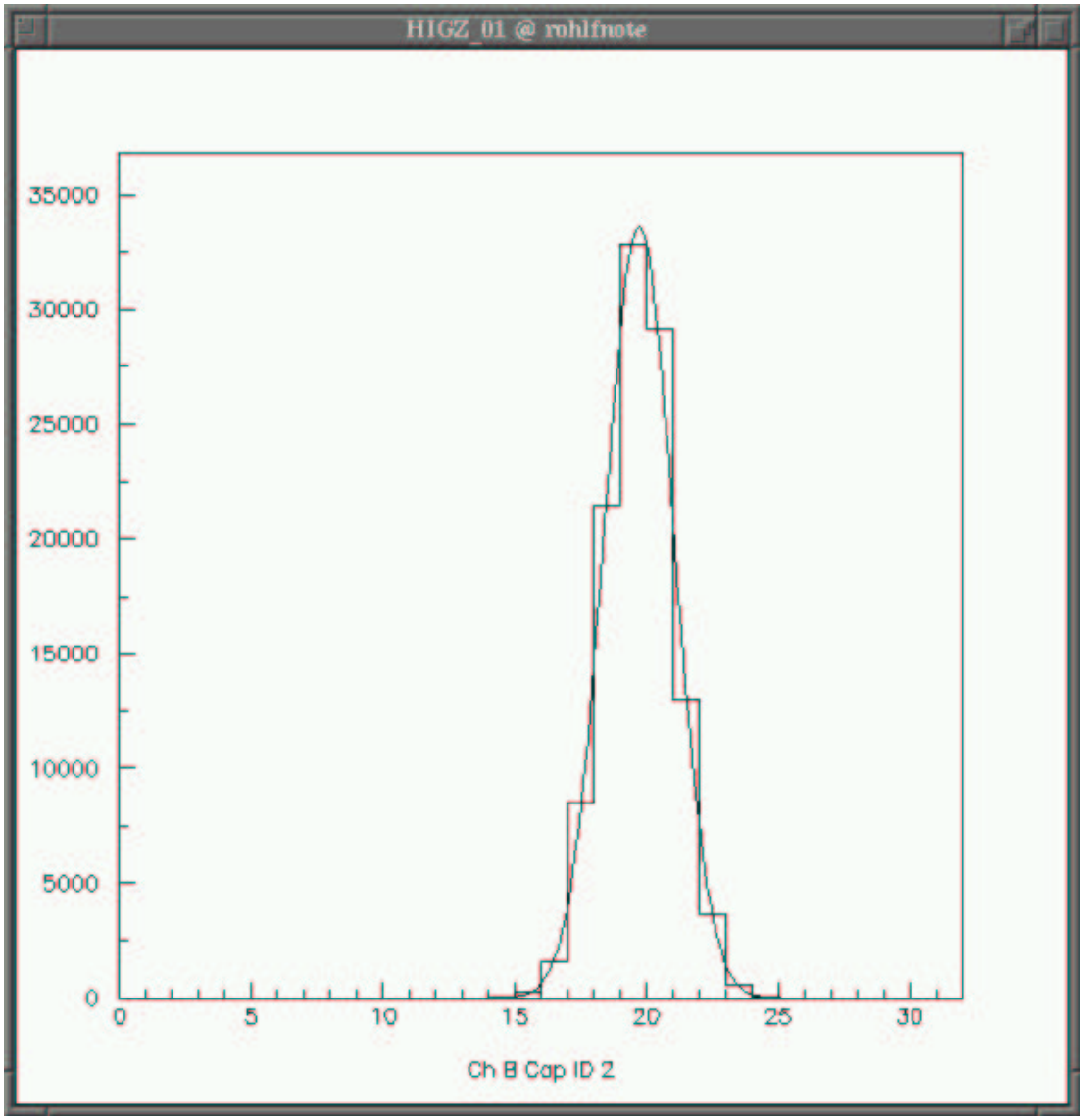
0.1 M events

17.812 ± 0.004

σ = 1.323 ± 0.003

EXT PARAMETER NO.	NAME	VALUE	ERROR	STEP SIZE	FIRST DERIVATIVE
1	Constant	33456.	124.61	84.639	−0.63124E−05
2	Mean	18.312	0.39740E−02	0.46326E−01	1.7546
3	Sigma	1.3234	0.28851E−02	0.33480E−02	−2.7766

CHISQUARE = 0.9096E+01 NPFIT = 16



Run 10261, pedestal
Ch. B Cap ID = 2

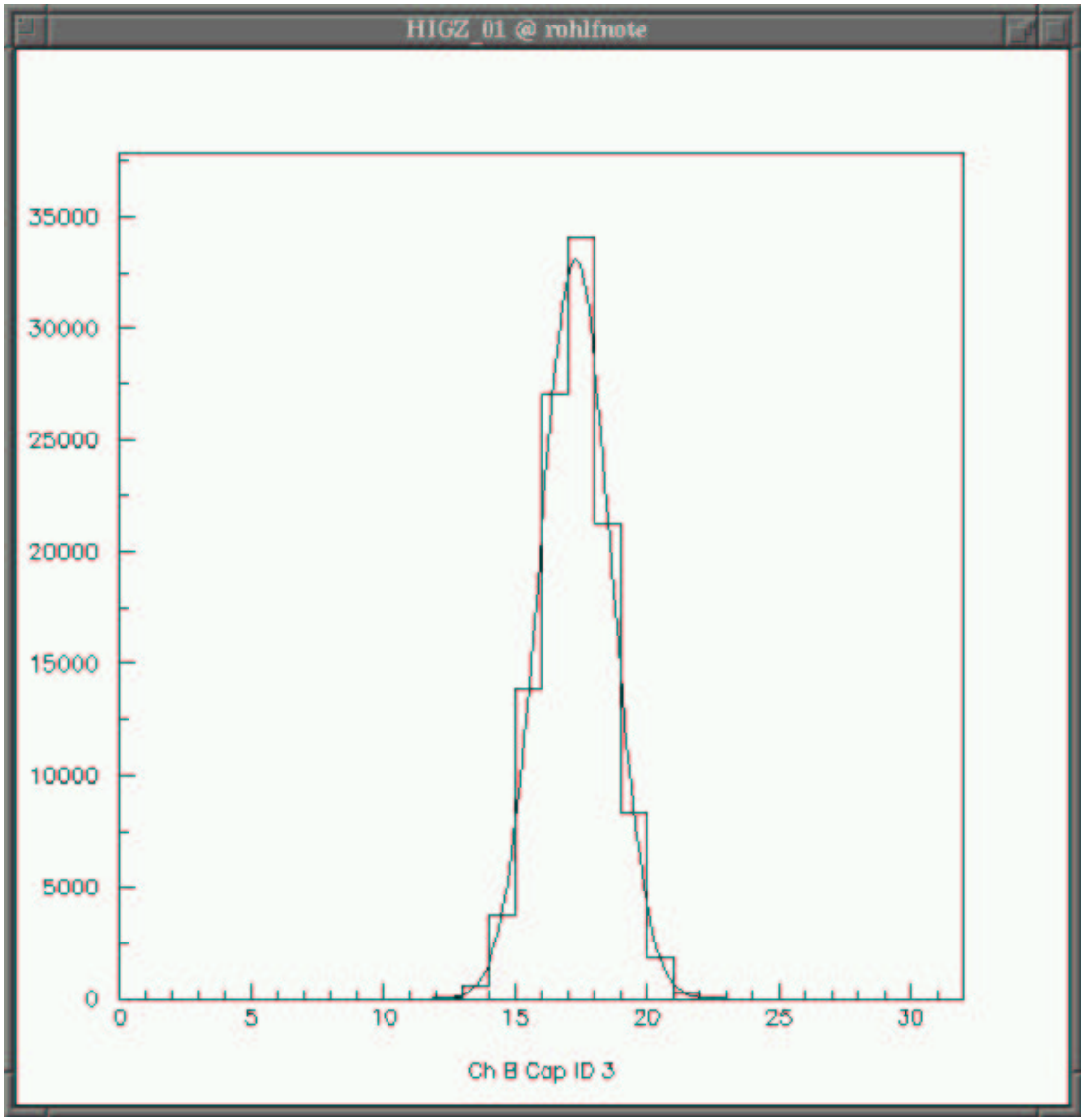
0.1 M events

19.220 ± 0.004

σ = 1.319 ± 003

EXT PARAMETER NO.	NAME	VALUE	ERROR	STEP SIZE	FIRST DERIVATIVE
1	Constant	33573.	124.74	84.934	−0.60208E−05
2	Mean	19.720	0.39635E−02	0.49887E−01	−0.59073
3	Sigma	1.3190	0.28620E−02	0.33369E−02	−2.9135

CHISQUARE = 0.8460E+01 NPFIT = 15



Run 10261, pedestal
Ch. B Cap ID = 3

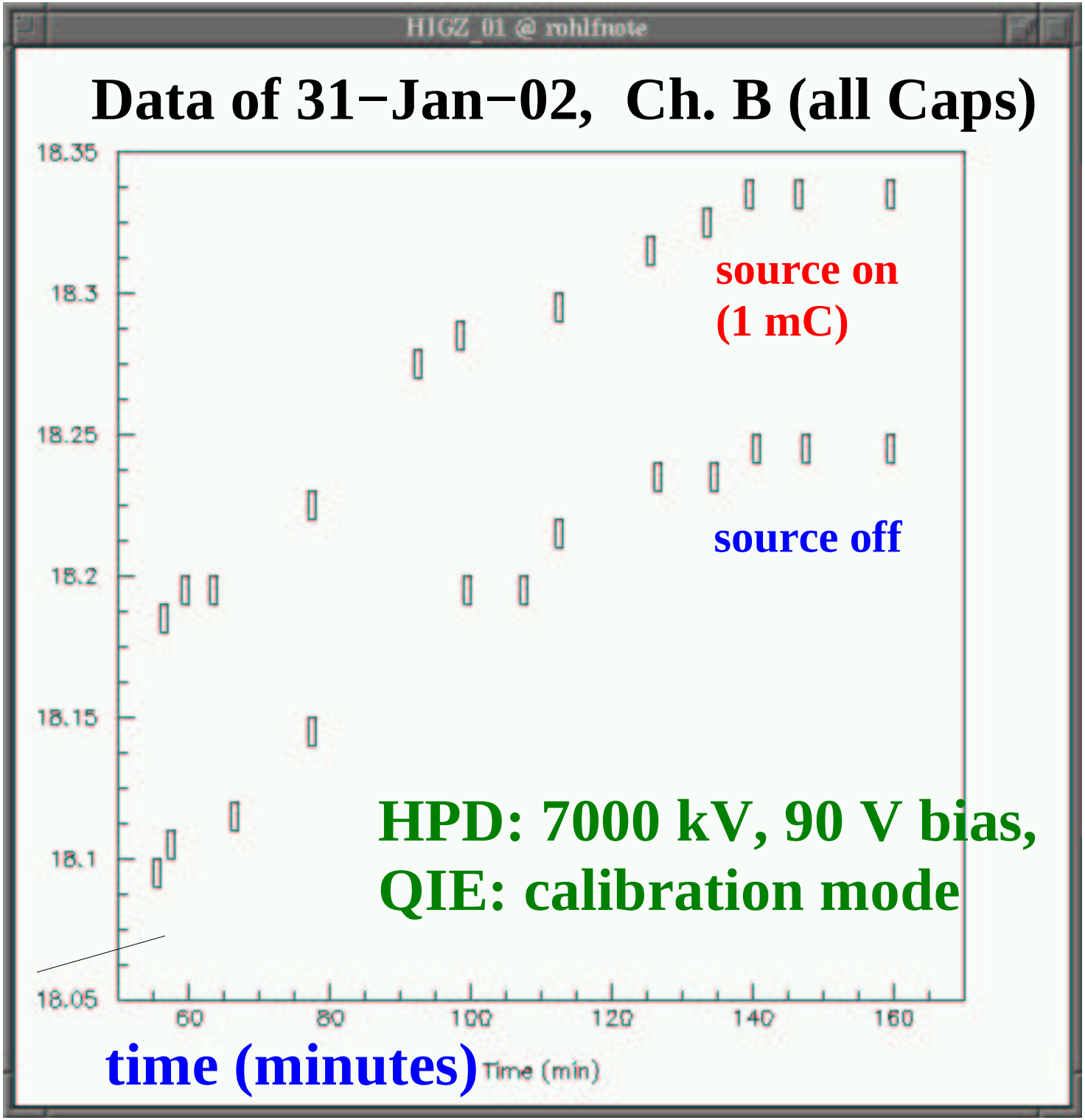
0.1 M events

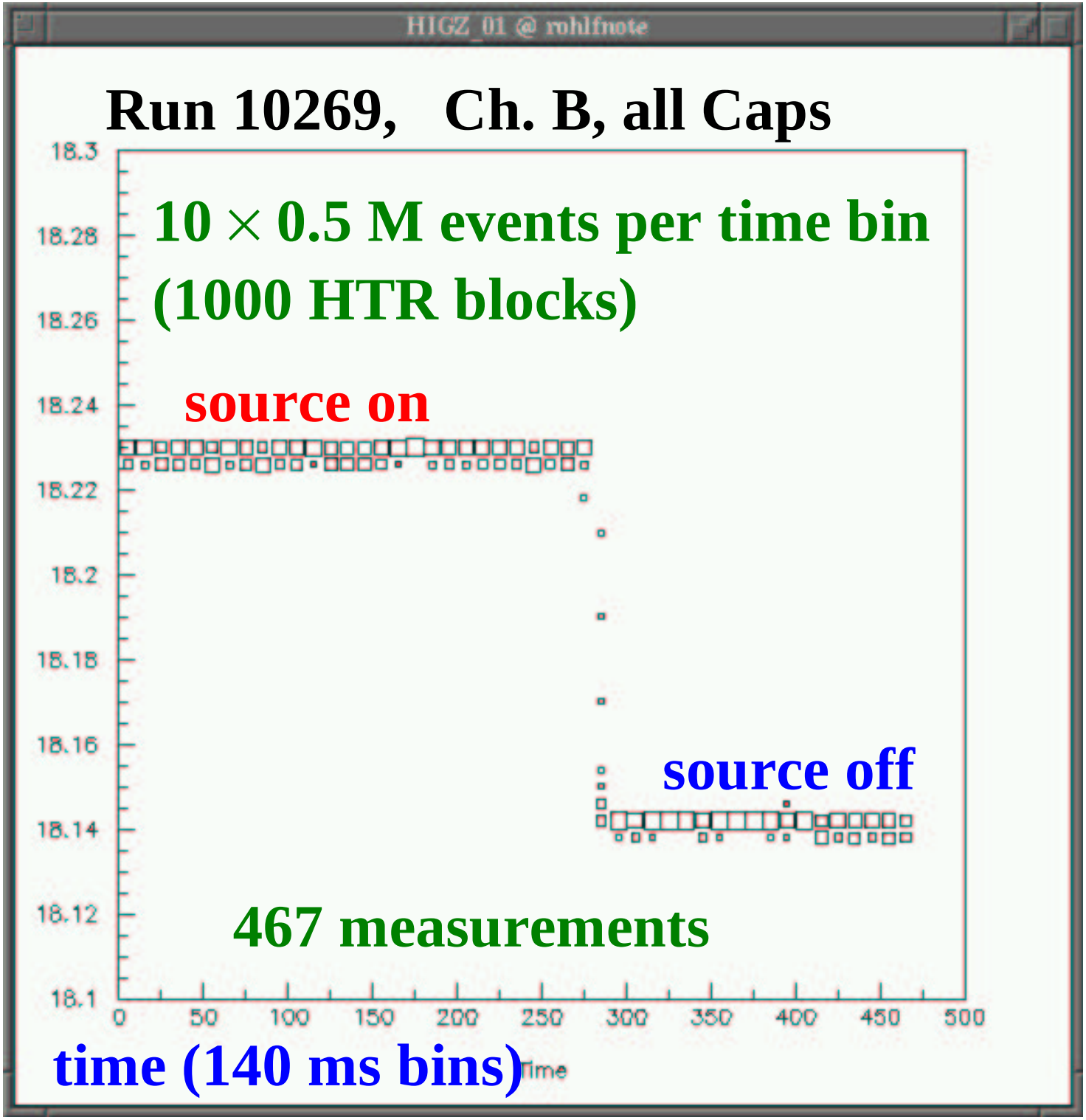
16.782 ± 004

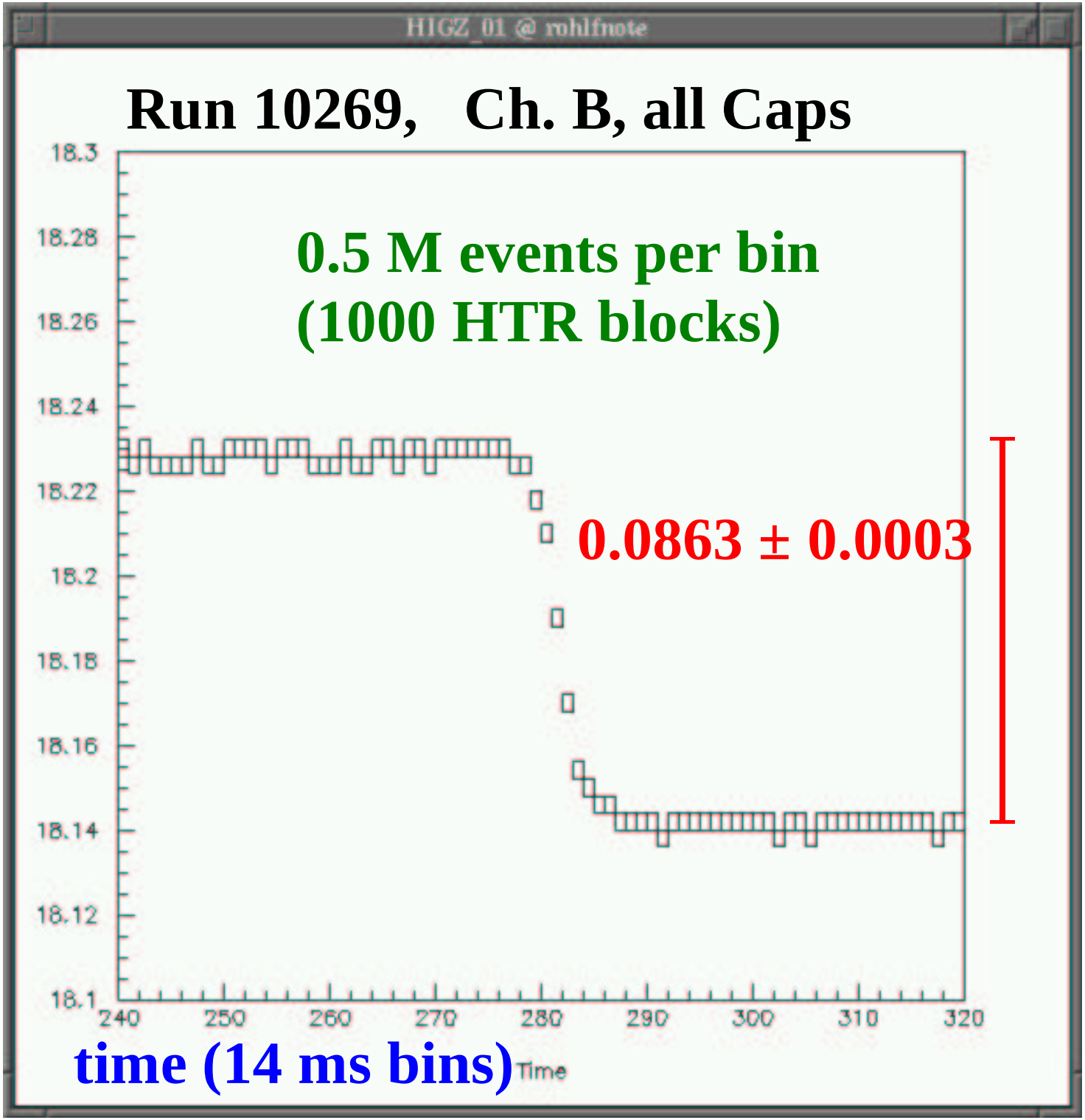
σ = 1.337 ± 0.003

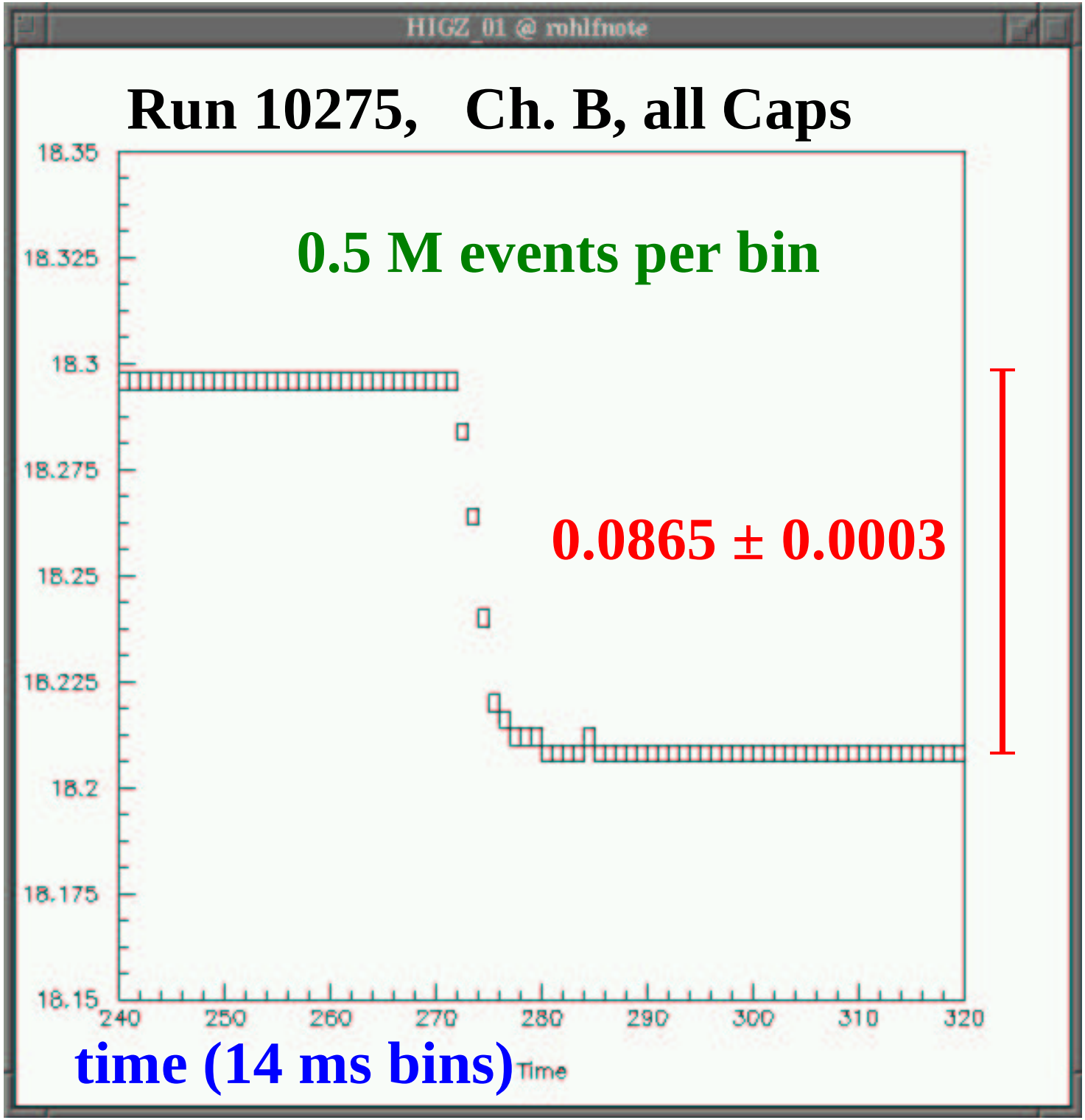
EXT PARAMETER NO.	NAME	VALUE	ERROR	STEP SIZE	FIRST DERIVATIVE
1	Constant	33111.	123.52	83.766	−0.12907E−04
2	Mean	17.282	0.40153E−02	0.43721E−01	−0.96354
3	Sigma	1.3372	0.29311E−02	0.33828E−02	−2.4250

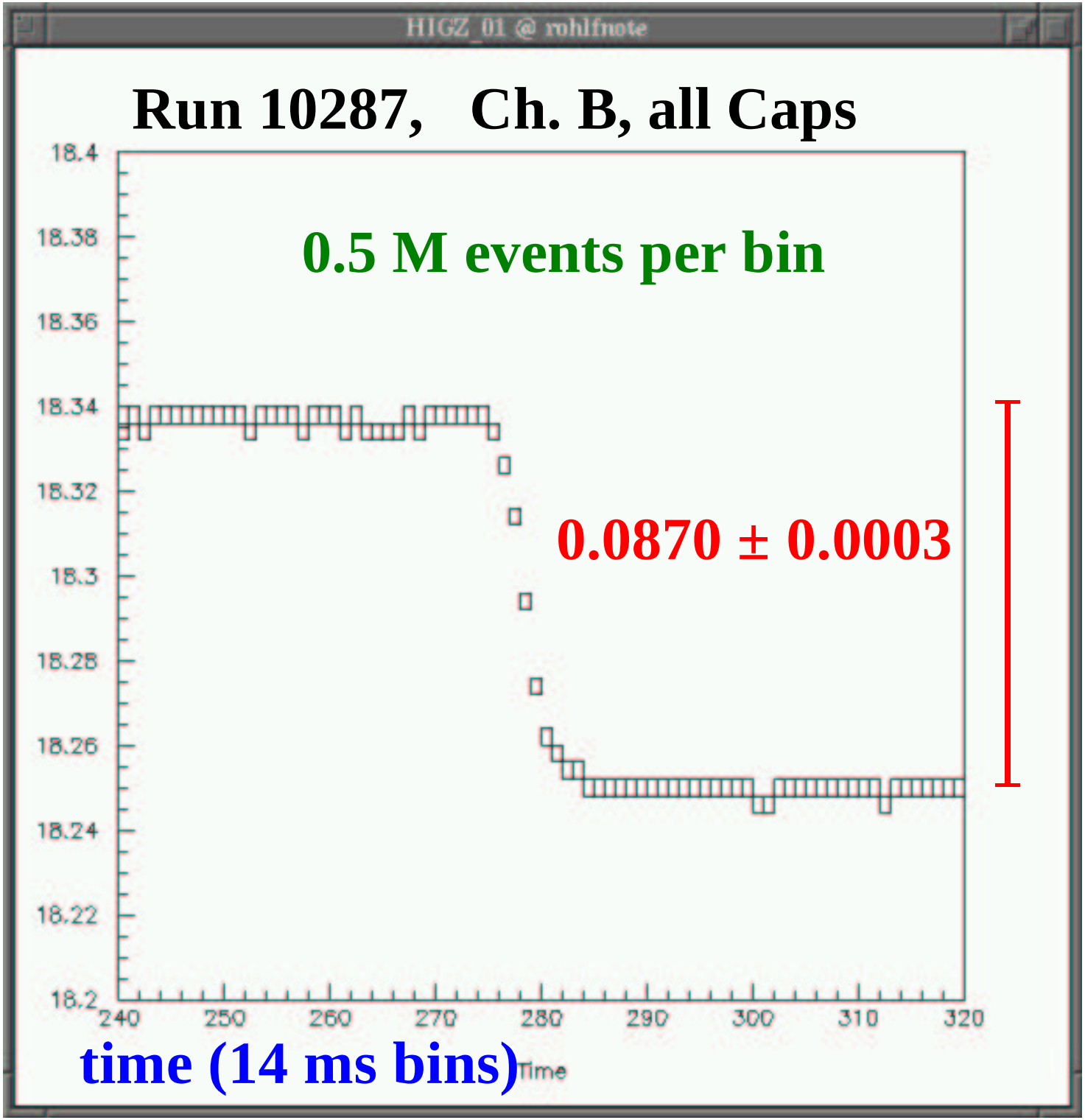
CHISQUARE = 0.9296E+01 NPFIT = 16


HIGZ_01 @ rohlfnote
Data of 31−Jan−02, Ch. B (all Caps)
Mean (channels)
18.35
18.3
18.25
18.2
18.15
18.1
18.05
60
80
100
120
140
160
Time (min)
source on (1 mC)
source off
HPD: 7000 kV, 90 V bias,
QIE: calibration mode
supp. zero
time (minutes)

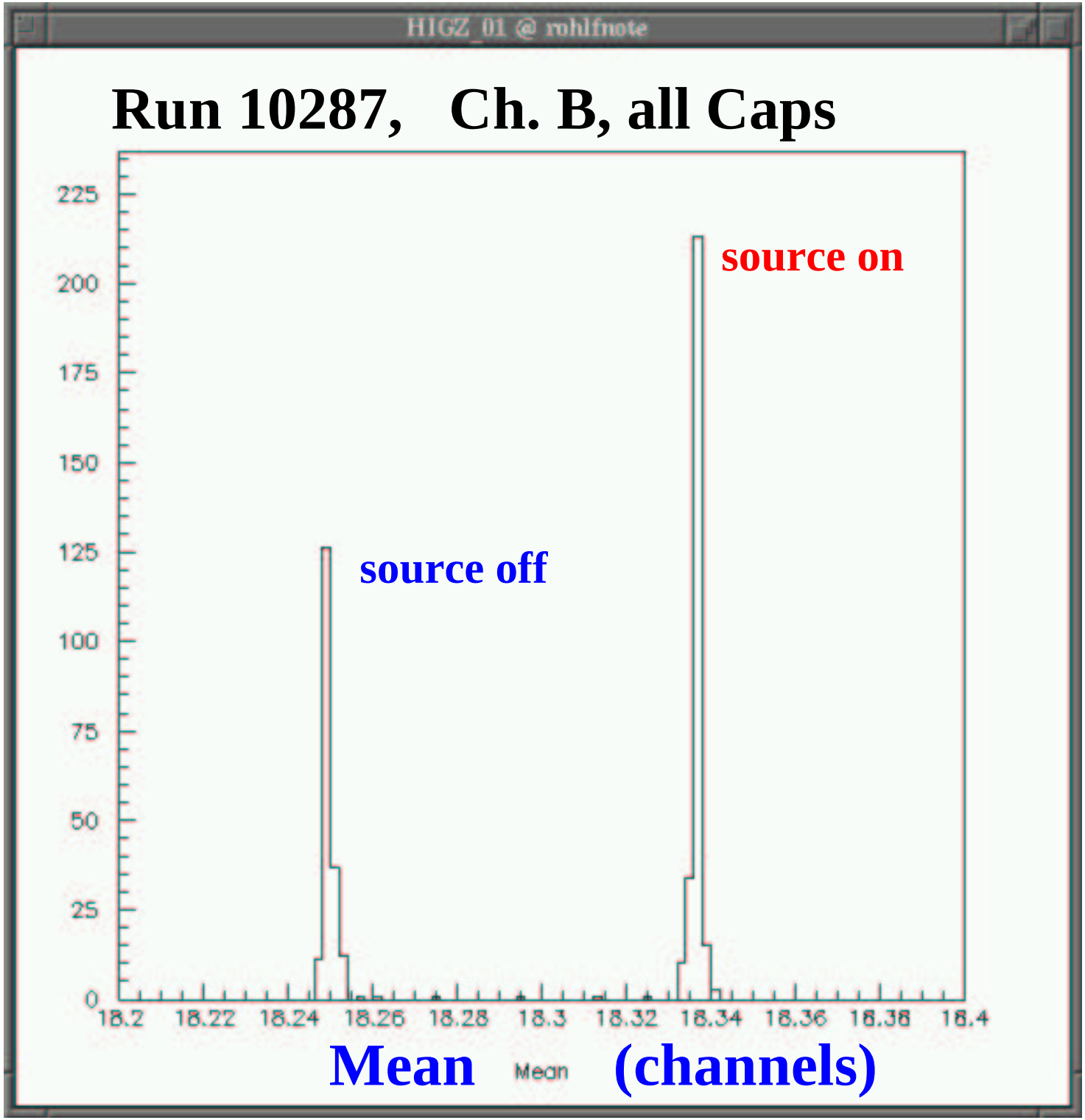

HIGZ_01 @ rohlfnote
Run 10269, Ch. B, all Caps
10 × 0.5 M events per time bin
(1000 HTR blocks)
source on
source off
467 measurements
Mean
(channels)
time (140 ms bins)
Time
18.3
18.28
18.26
18.24
18.22
18.2
18.18
18.16
18.14
18.12
18.1
0
50
100
150
200
250
300
350
400
450
500

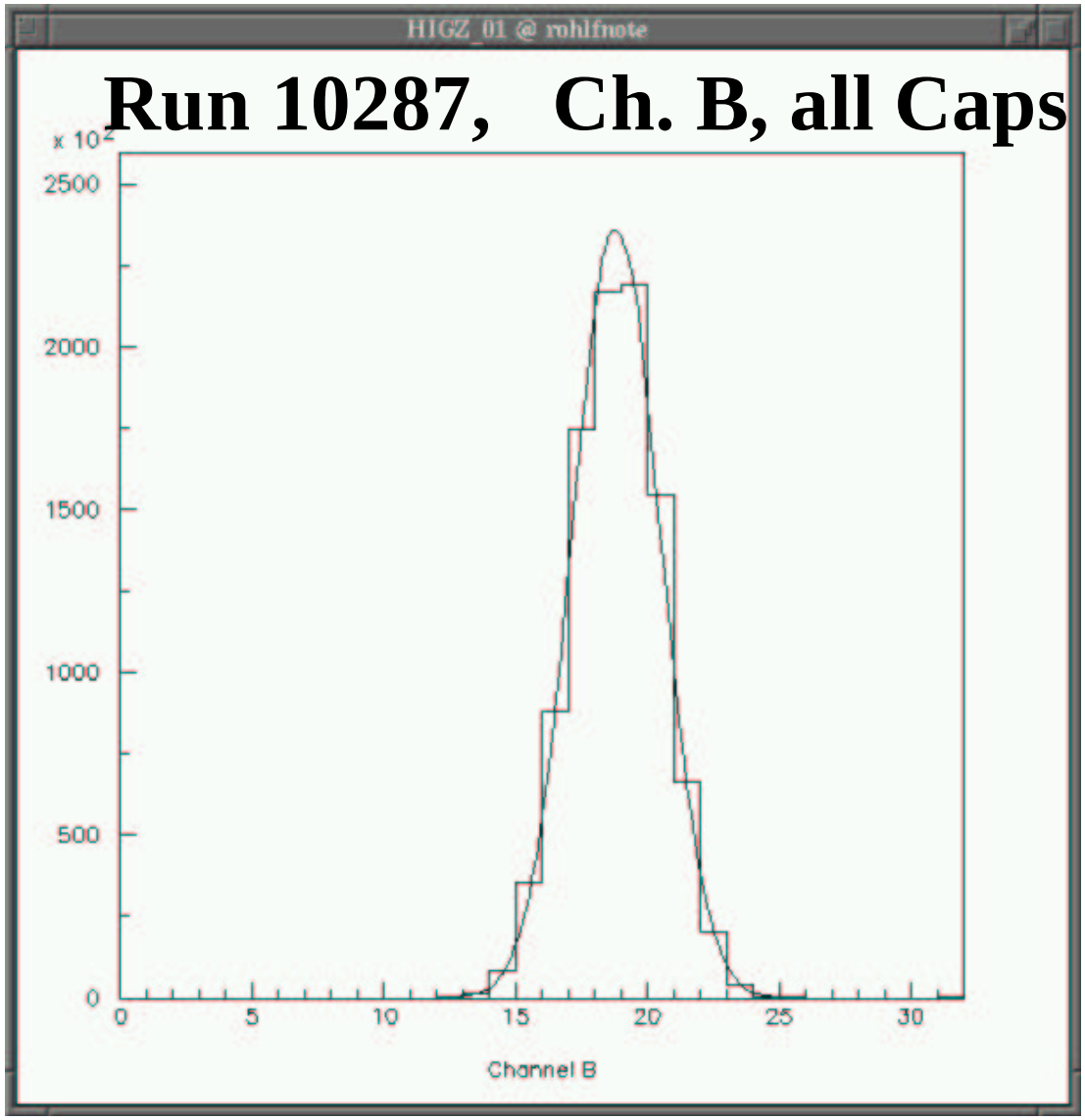

HIGZ_01 @ rohlfnote
Run 10269, Ch. B, all Caps
0.5 M events per bin
(1000 HTR blocks)
0.0863 ± 0.0003
18.3
18.28
18.26
18.24
18.22
18.2
18.18
18.16
18.14
18.12
18.1
240
250
260
270
280
290
300
310
320
time (14 ms bins)
Time


HIGZ_01 @ rohlfnote
Run 10275, Ch. B, all Caps
0.5 M events per bin
0.0865 ± 0.0003
18.35
18.325
18.3
18.275
18.25
18.225
18.2
18.175
18.15
240
250
260
270
280
290
300
310
320
time (14 ms bins)
Time


HIGZ_01 @ rohlfnote
Run 10287, Ch. B, all Caps
0.5 M events per bin
0.0870 ± 0.0003
18.4
18.38
18.36
18.34
18.32
18.3
18.28
18.26
18.24
18.22
18.2
240
250
260
270
280
290
300
310
320
Time
time (14 ms bins)

Number of measurements (0.5 M events) per 0.002 ch.





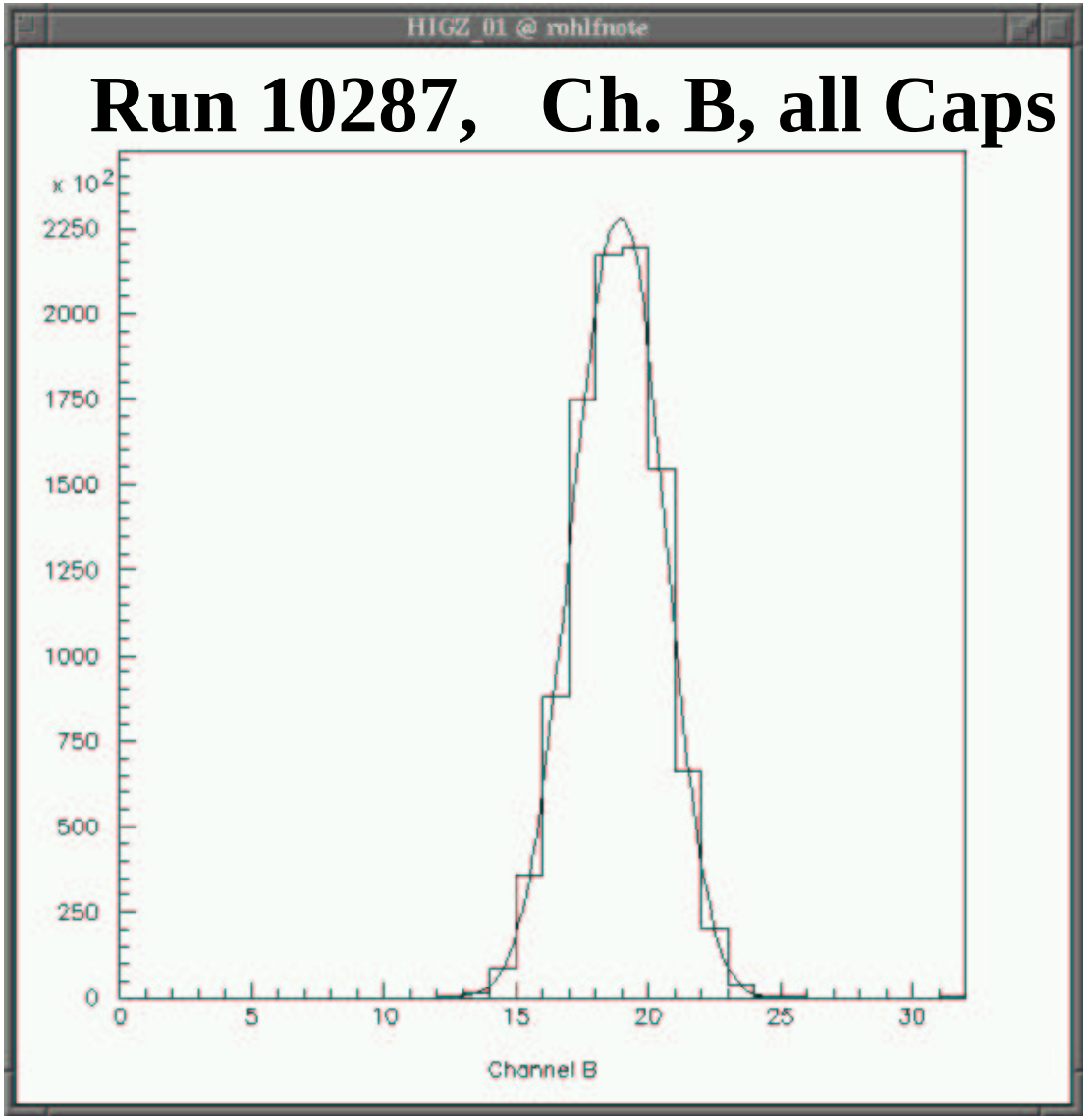
1 M events

From mean:
0.0870 ± 0.017

From fit (g+p):
0.0876 ± 0.015

EXT PARAMETER NO.	NAME	VALUE	ERROR	STEP SIZE	FIRST DERIVATIVE
1	P1	0.24146E+06	242.91	610.84	−0.88025E−04
2	P2	0.87629E−01	0.14759E−02	0.31000E−02	24.093

CHISQUARE = 0.1585E+03 NPFIT = 24



From fit (4g+p):
0.0867 ± 0.0015

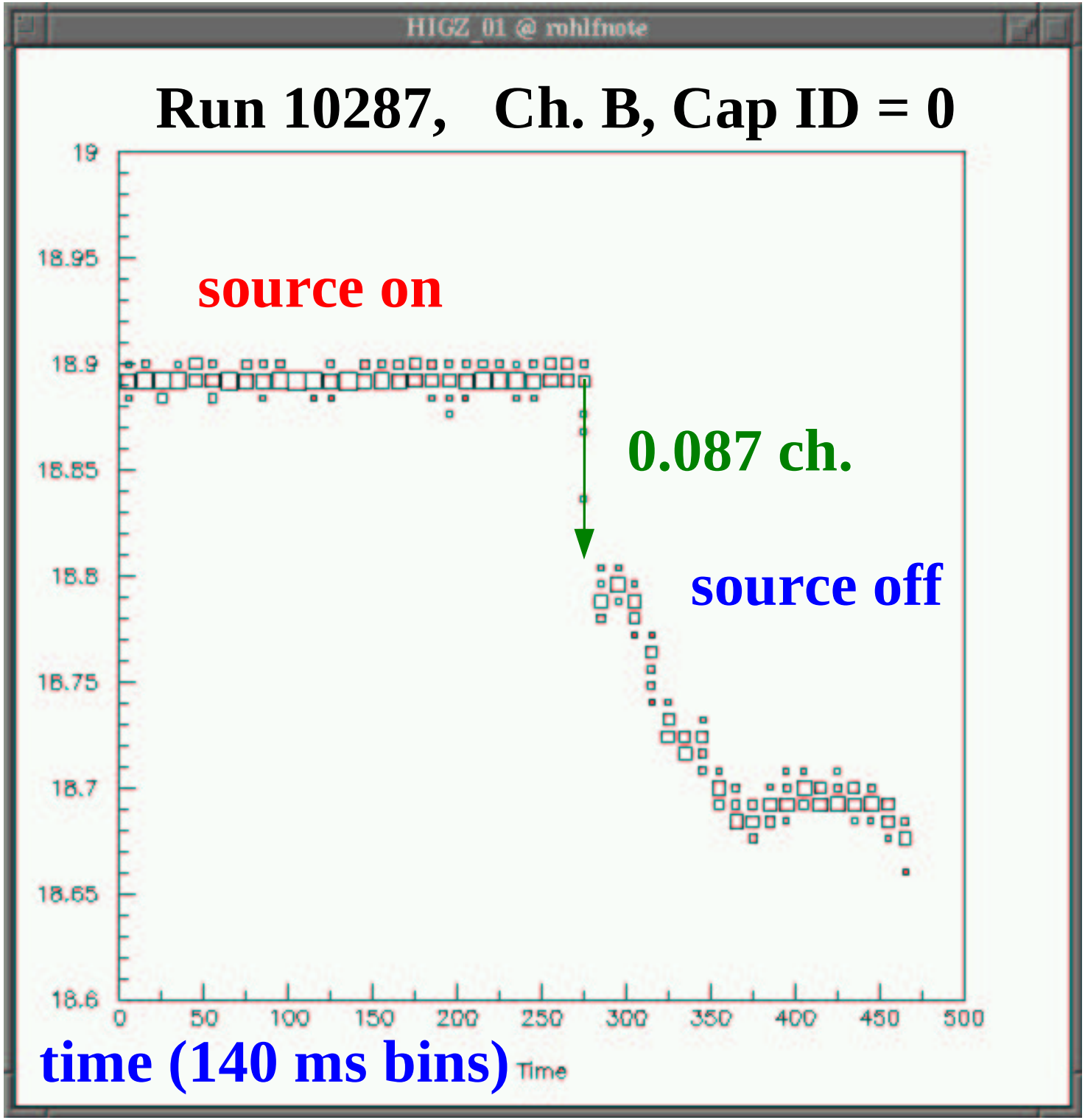
Comments:

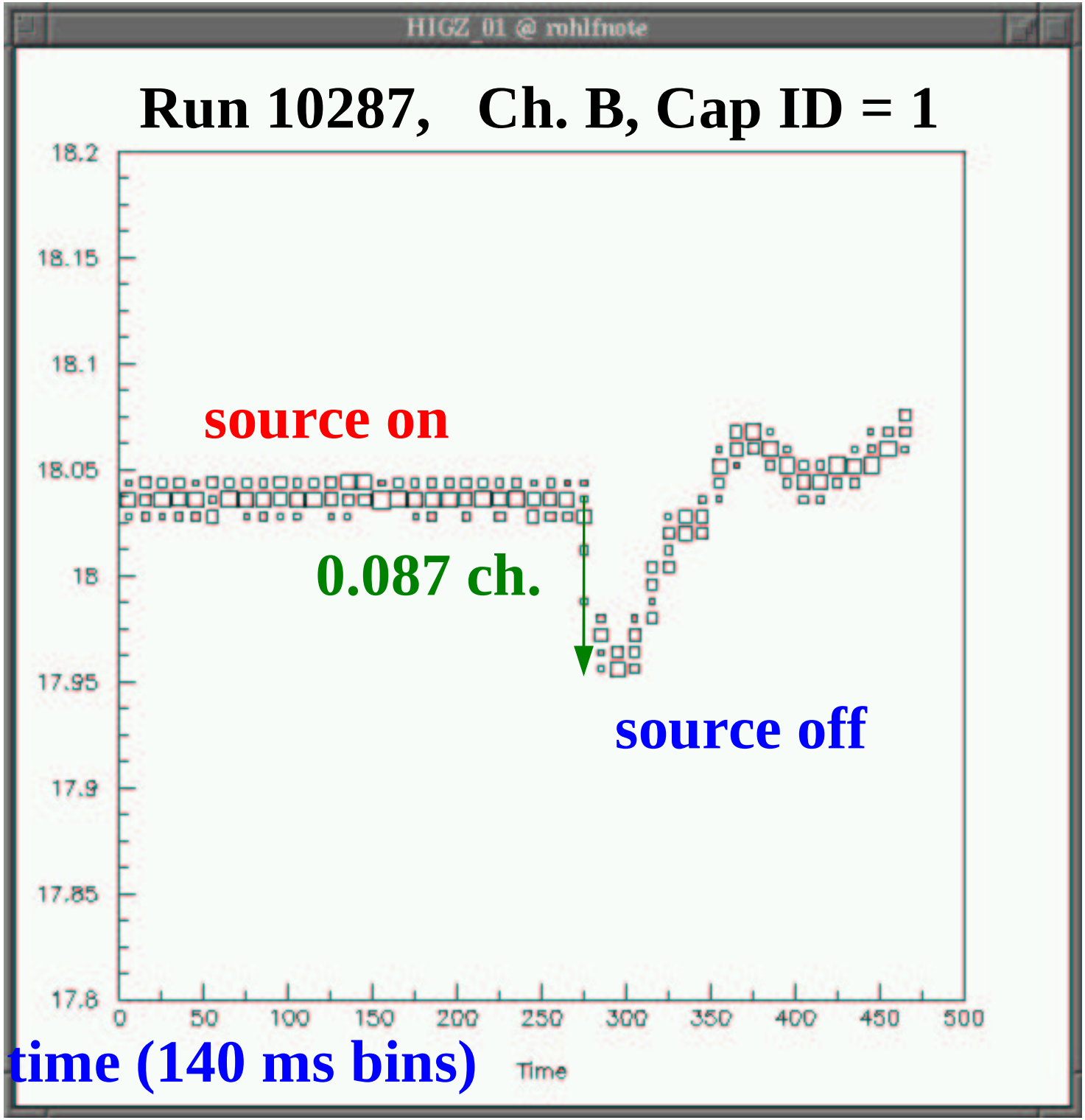
1) This is a check of the observed pulse shape with source

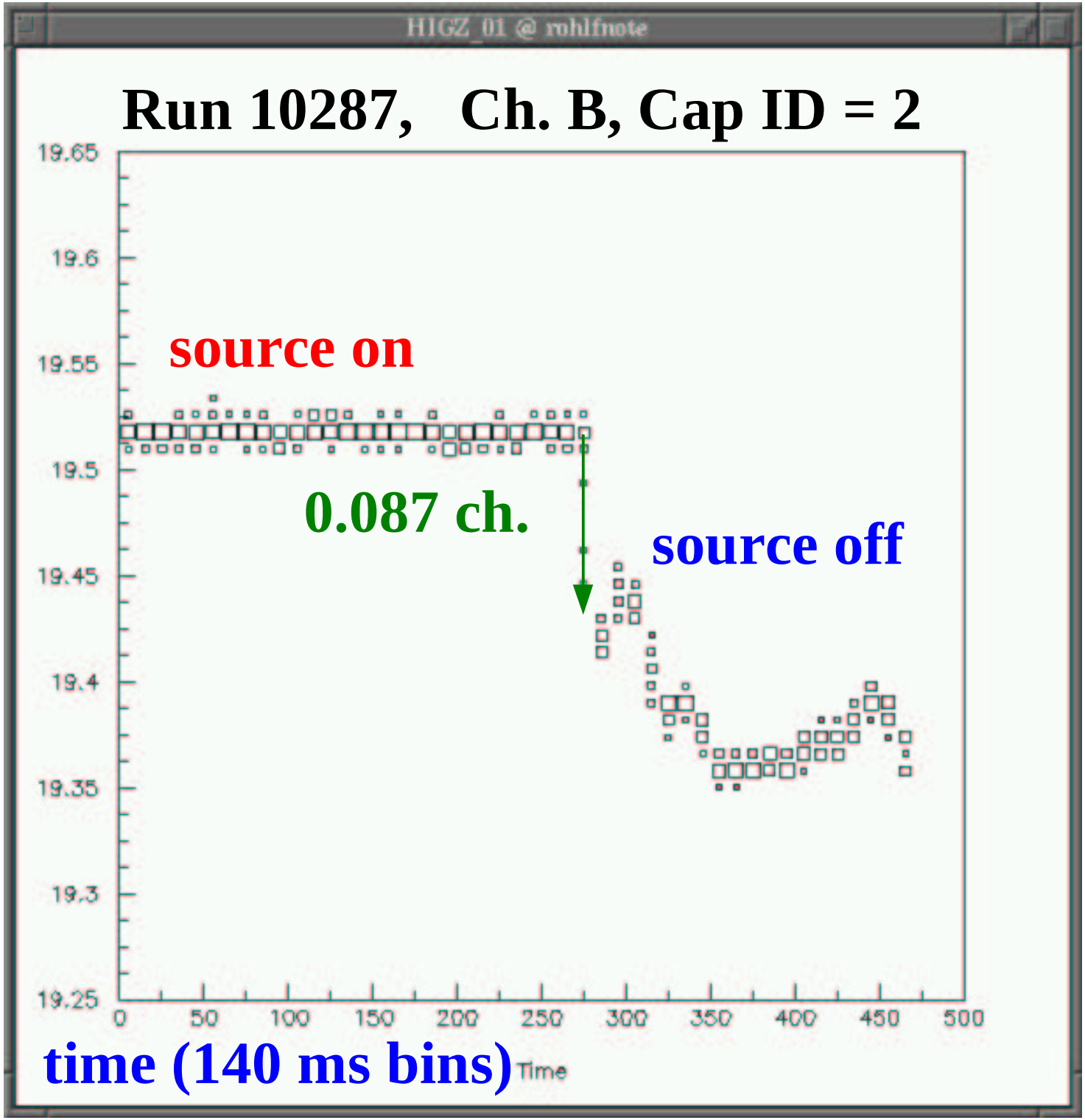
2) Need to know mean from each cap to do this fit

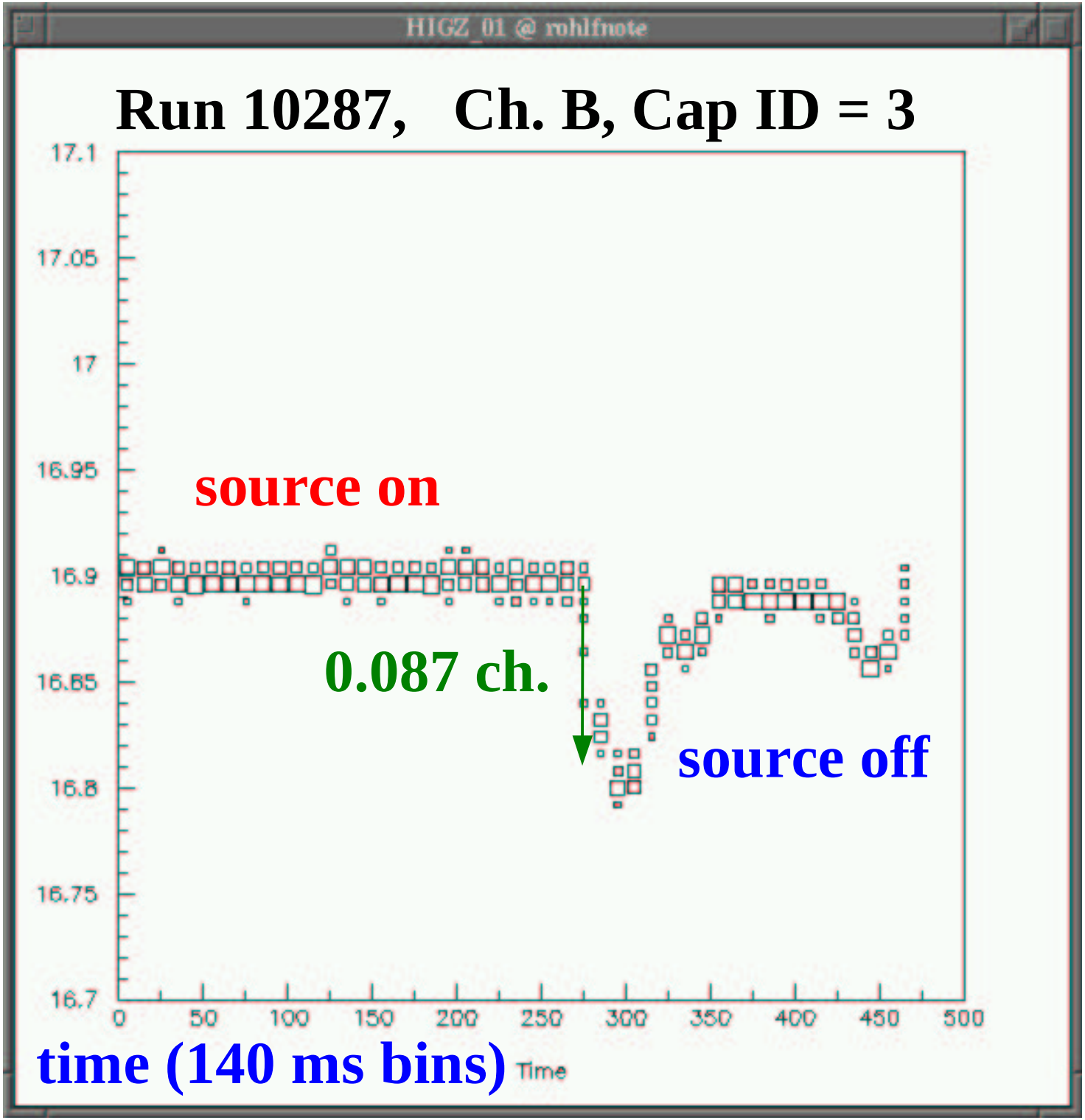
EXT PARAMETER NO.	NAME	VALUE	ERROR	STEP SIZE	FIRST DERIVATIVE
1	P1	98728.	99.169	−7.3996	0.53694E−05
2	P2	0.86691E−01	0.14941E−02	−0.31544E−04	1.8051

CHISQUARE = 0.5055E+02 NPFIT = 24

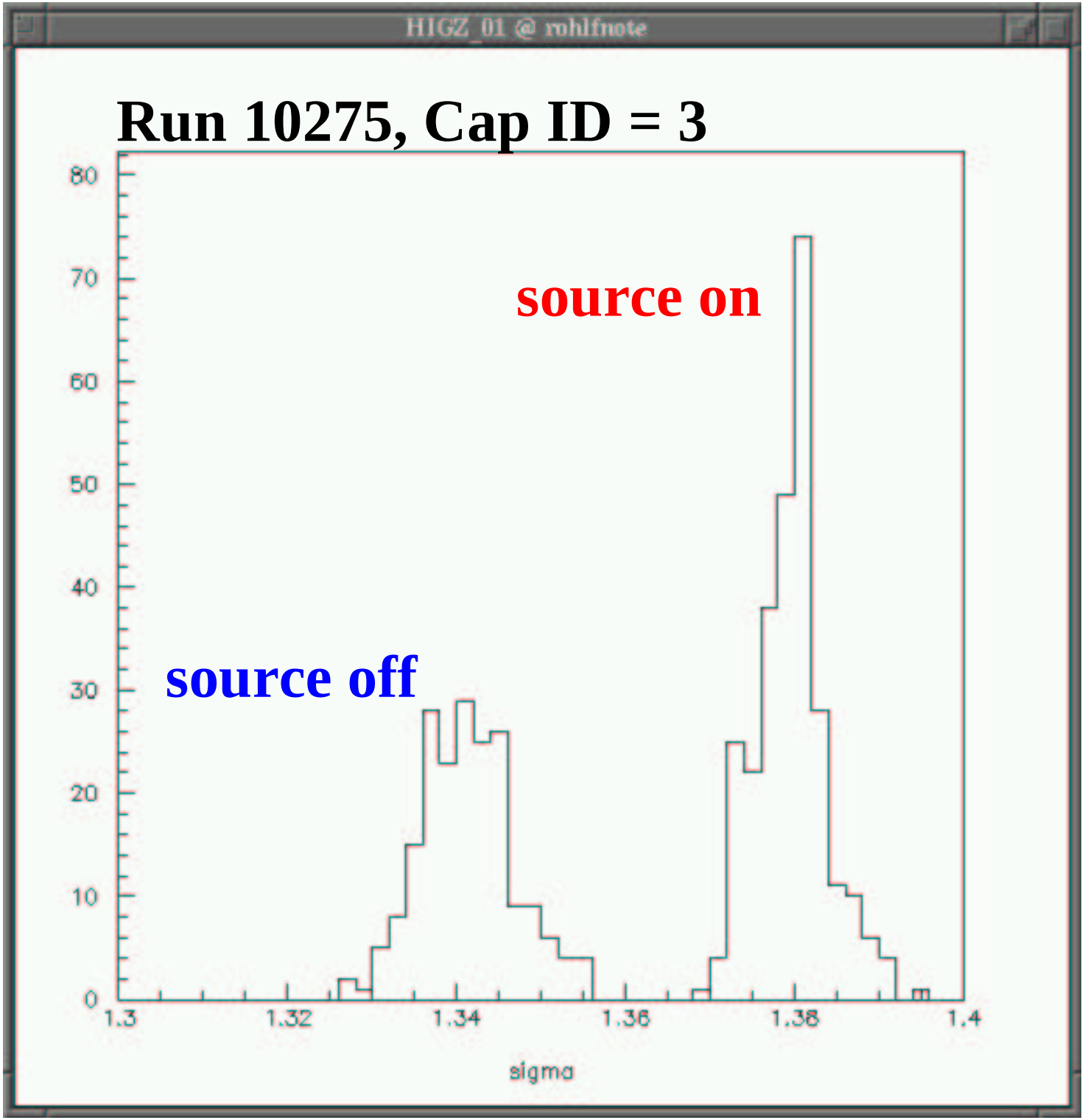

HIGZ_01 @ rohlfnote
Run 10287, Ch. B, Cap ID = 0
Mean (channels)
source on
0.087 ch.
source off
time (140 ms bins)
Time
19
18.95
18.9
18.85
18.8
18.75
18.7
18.65
18.6
0
50
100
150
200
250
300
350
400
450
500

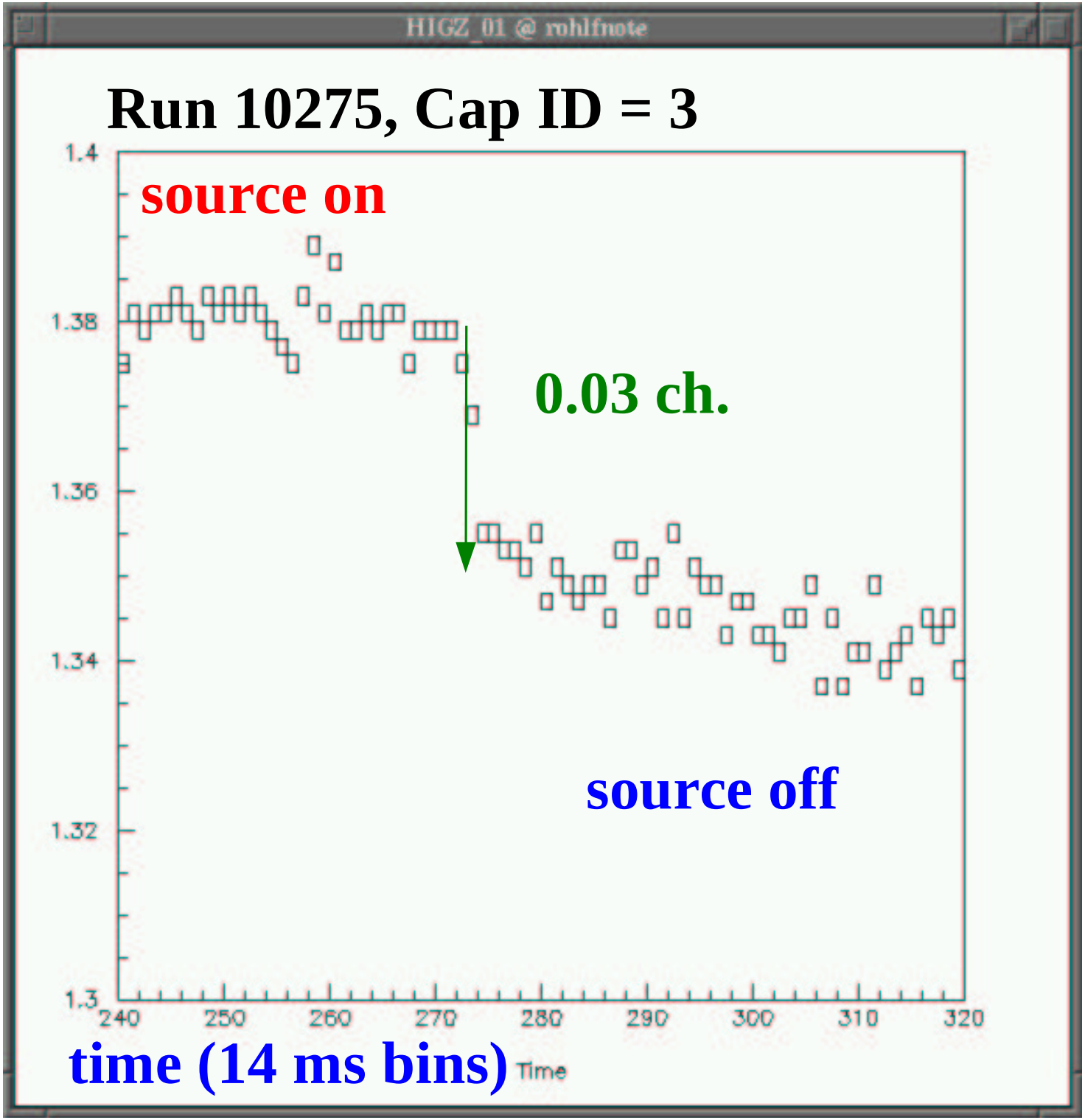

HIGZ_01 @ rohlfnote
Run 10287, Ch. B, Cap ID = 1
Mean (channels)
source on
0.087 ch.
source off
time (140 ms bins)
Time
18.2
18.15
18.1
18.05
18
17.95
17.9
17.85
17.8
0
50
100
150
200
250
300
350
400
450
500

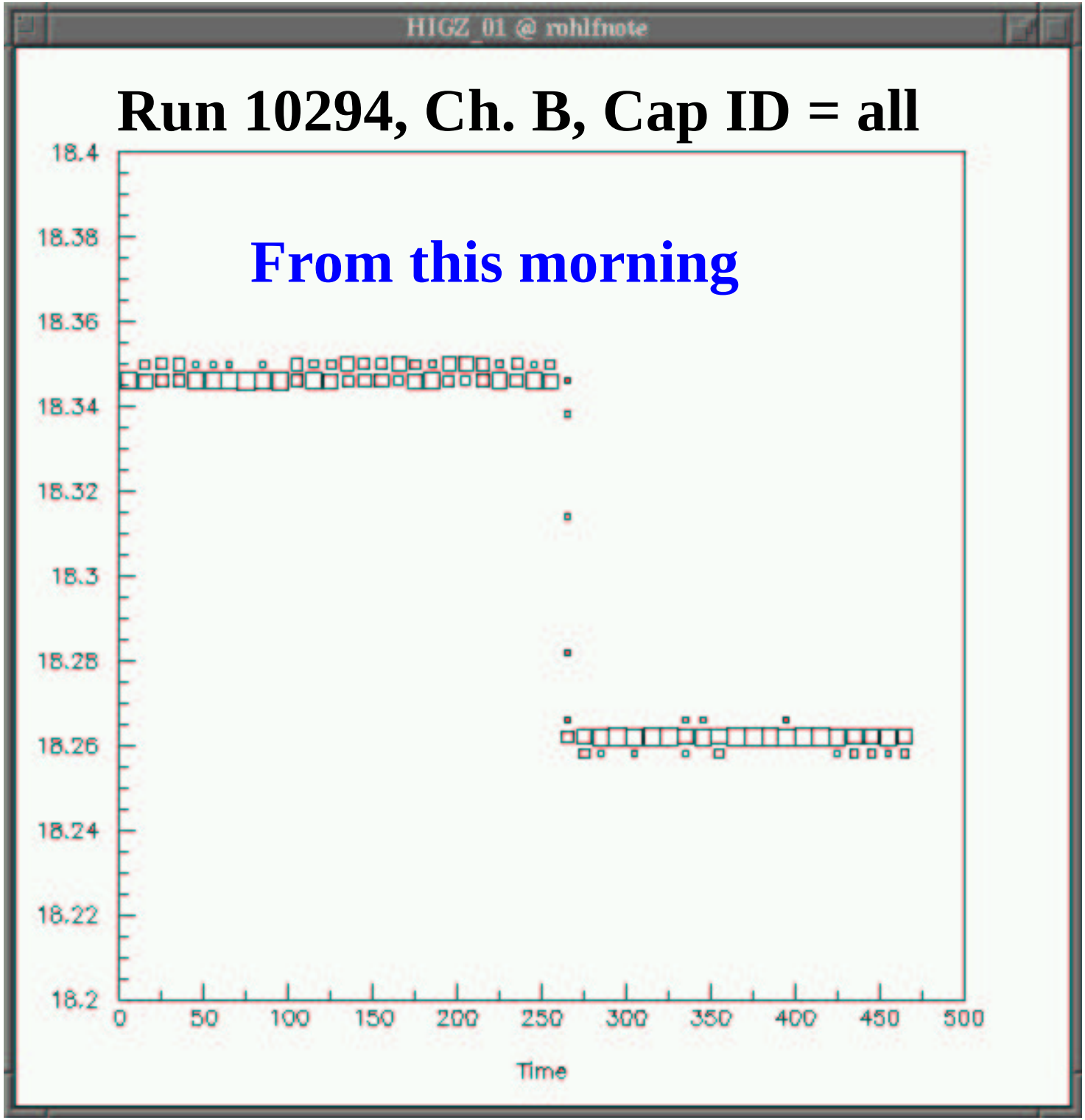

HIGZ_01 @ rohlfnote
Run 10287, Ch. B, Cap ID = 2
source on
0.087 ch.
source off
Mean (channels)
time (140 ms bins)
Time
19.65
19.6
19.55
19.5
19.45
19.4
19.35
19.3
19.25
0
50
100
150
200
250
300
350
400
450
500

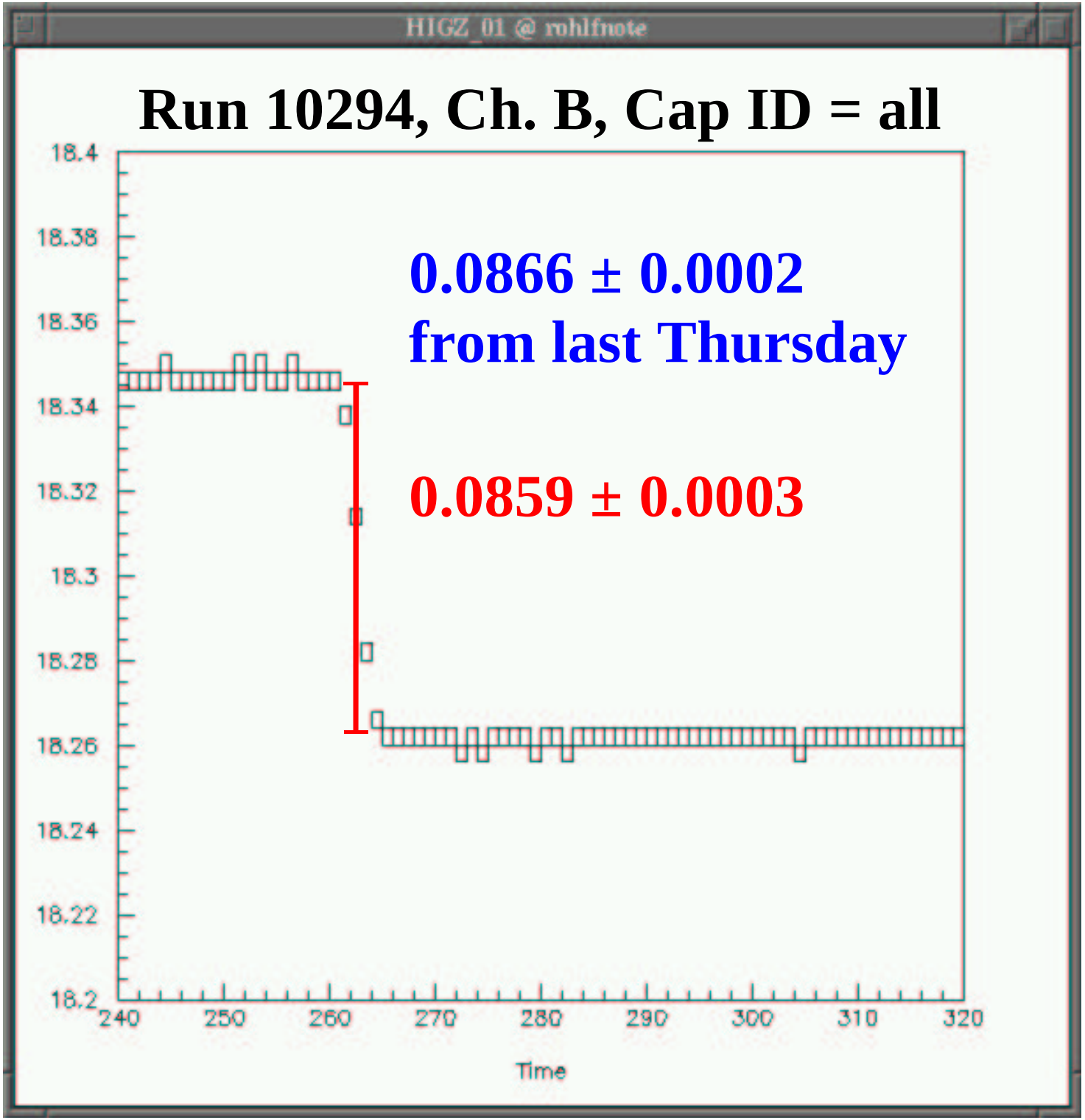

HIGZ_01 @ rohlfnote
Run 10287, Ch. B, Cap ID = 3
Mean (channels)
source on
0.087 ch.
source off
time (140 ms bins)
Time
17.1
17.05
17
16.95
16.9
16.85
16.8
16.75
16.7
0
50
100
150
200
250
300
350
400
450
500

Dist. of widths (meas. per 0.002 ch.)

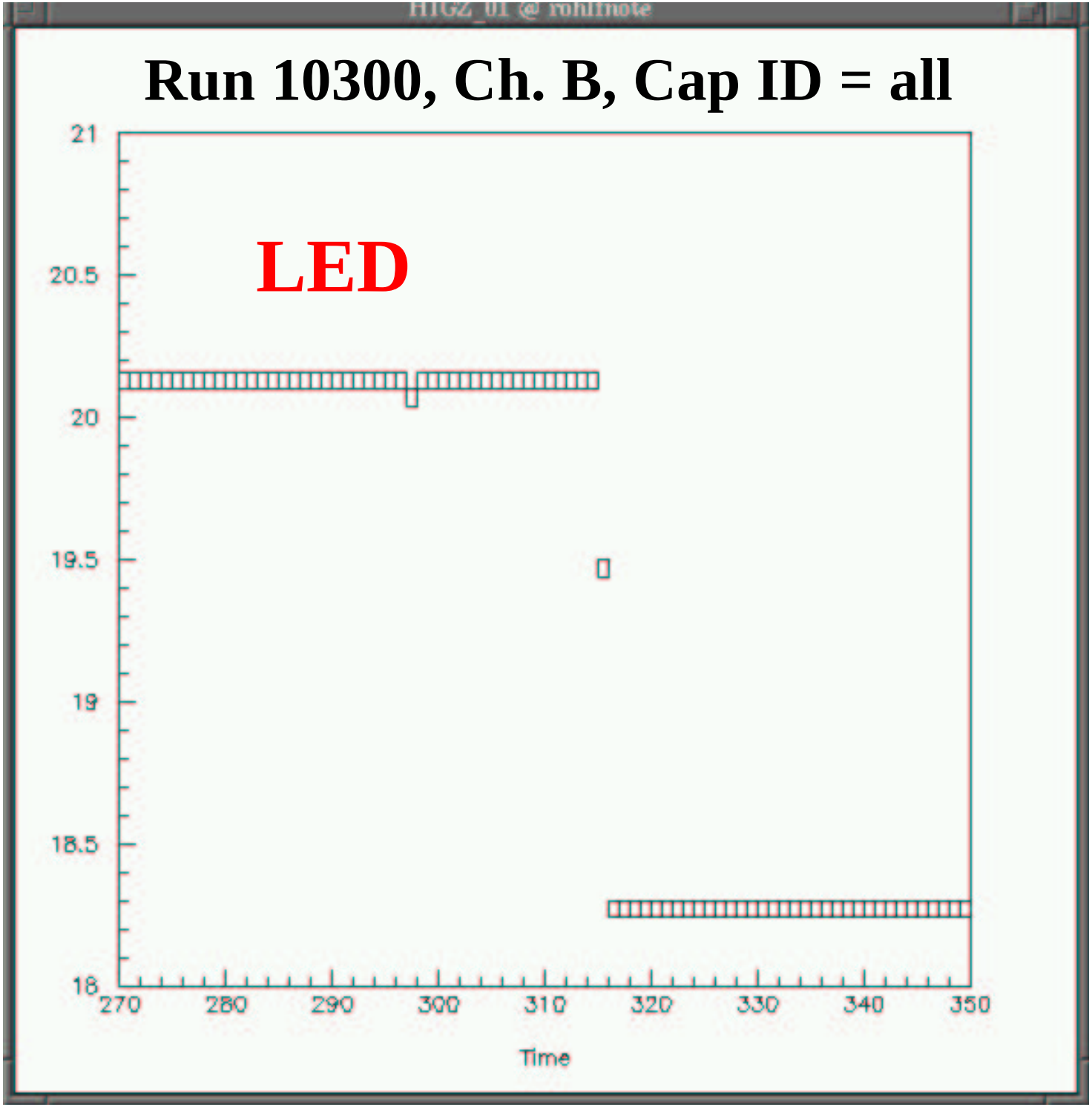


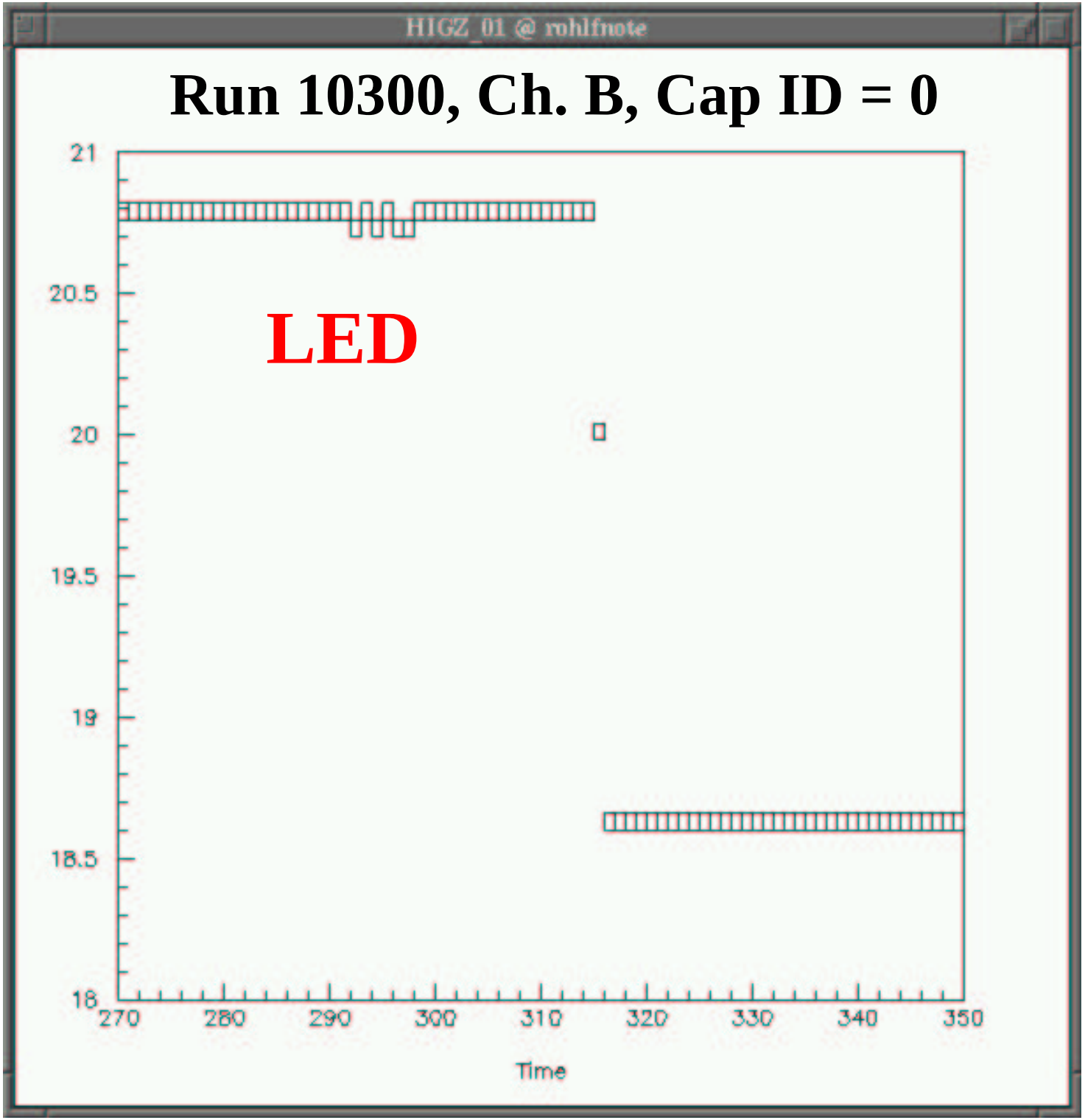

HIGZ_01 @ rohlfnote
Run 10275, Cap ID = 3
source on
0.03 ch.
source off
width
time (14 ms bins)
Time
1.4
1.38
1.36
1.34
1.32
1.3
240
250
260
270
280
290
300
310
320

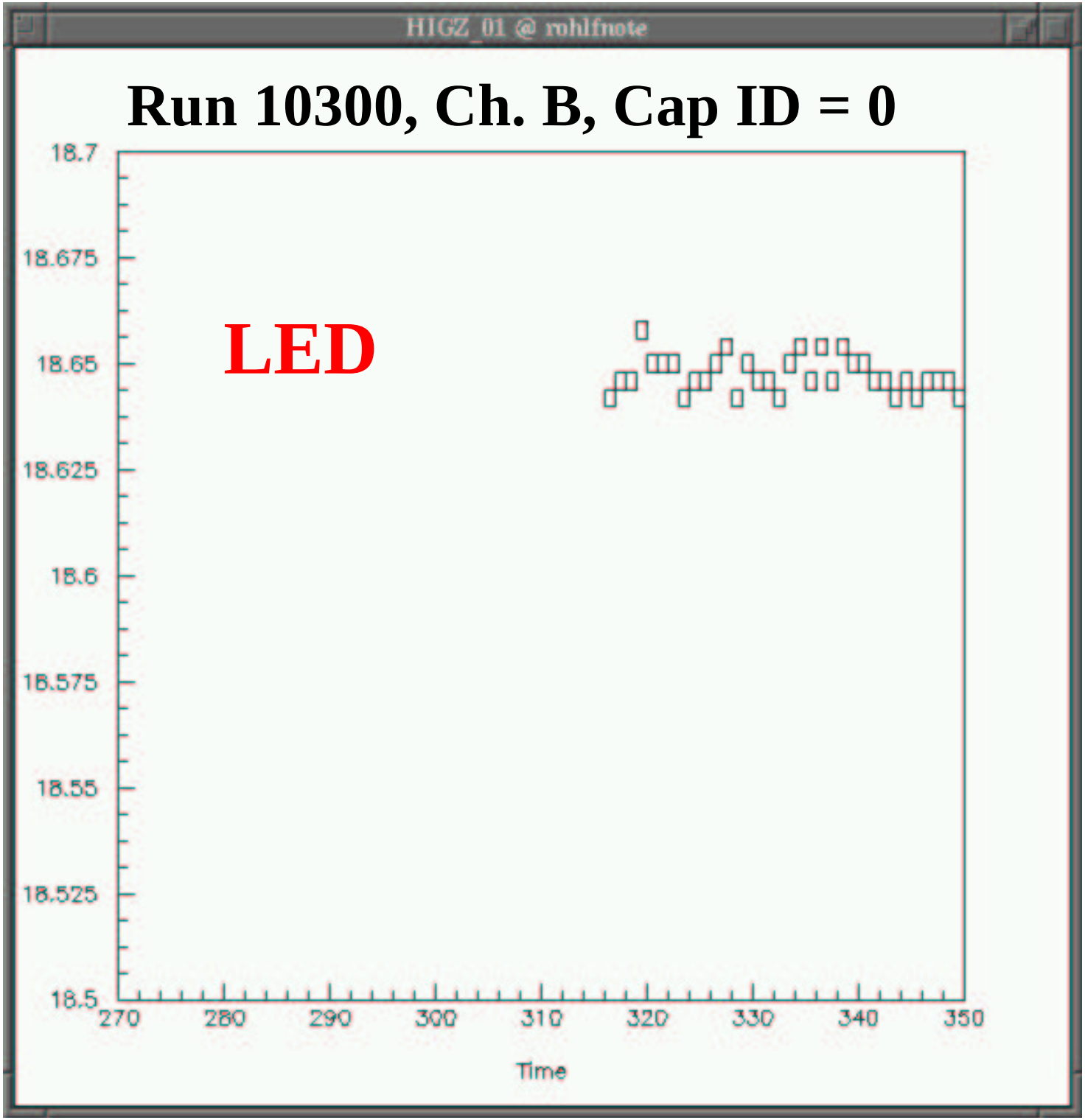

HIGZ_01 @ rohlfnote
Run 10294, Ch. B, Cap ID = all
From this morning
18.4
18.38
18.36
18.34
18.32
18.3
18.28
18.26
18.24
18.22
18.2
0
50
100
150
200
250
300
350
400
450
500
Time


HIGZ_01 @ rohlfnote
Run 10294, Ch. B, Cap ID = all
0.0866 ± 0.0002
from last Thursday
0.0859 ± 0.0003
18.4
18.38
18.36
18.34
18.32
18.3
18.28
18.26
18.24
18.22
18.2
240
250
260
270
280
290
300
310
320
Time

Run 10300, Ch. B, Cap ID = all




HIGZ_01 @ rohlfnote
Run 10300, Ch. B, Cap ID = 0
LED
21
20.5
20
19.5
19
18.5
18
270
280
290
300
310
320
330
340
350
Time


HIGZ_01 @ rohlfnote
Run 10300, Ch. B, Cap ID = 0
LED
18.7
18.675
18.65
18.625
18.6
18.575
18.55
18.525
18.5
270
280
290
300
310
320
330
340
350
Time