

SPILL STRUCTURE PLOTS - Spill Time Distribution

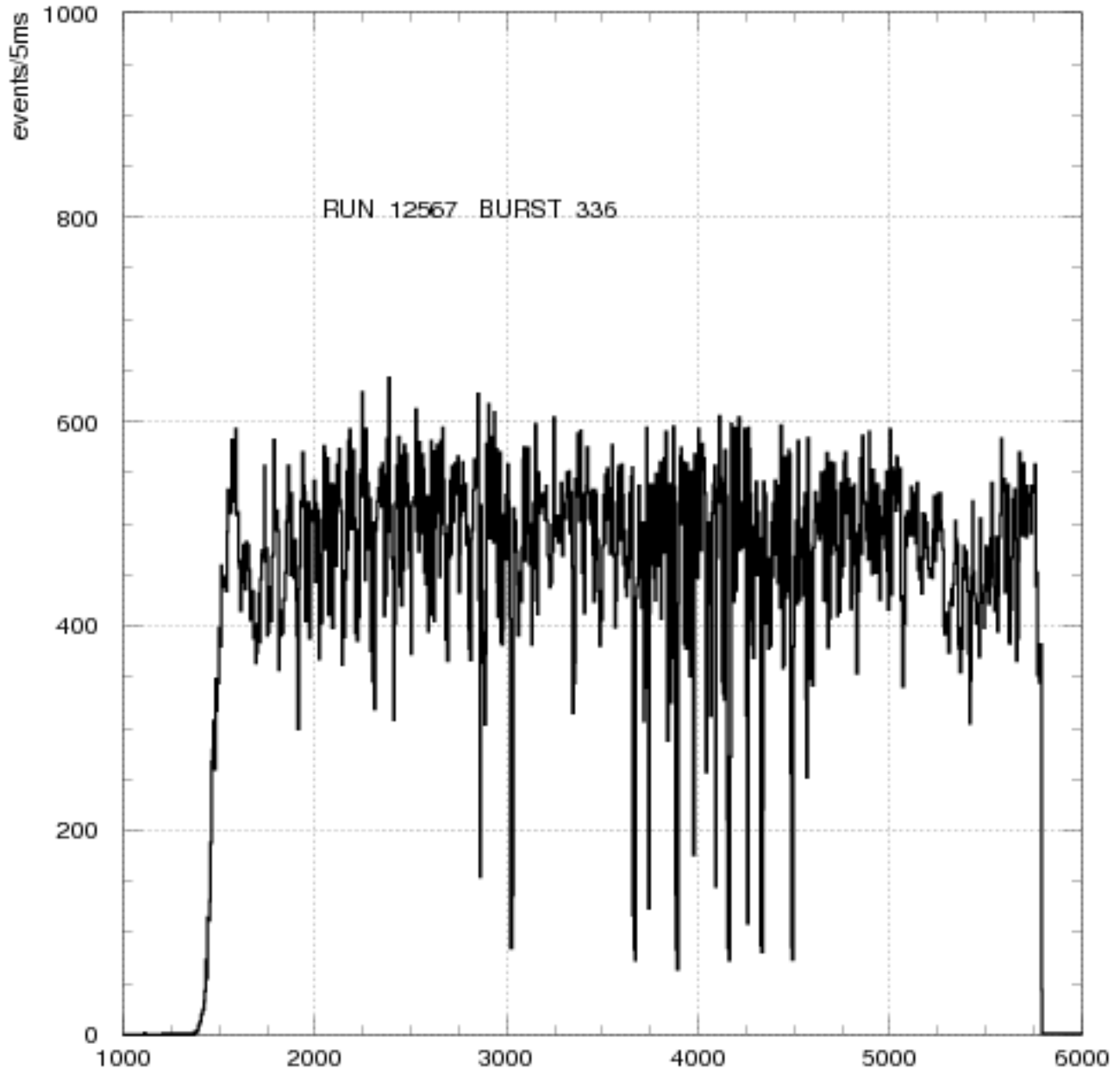


Fig 1. Time (ms)

Spill distribution

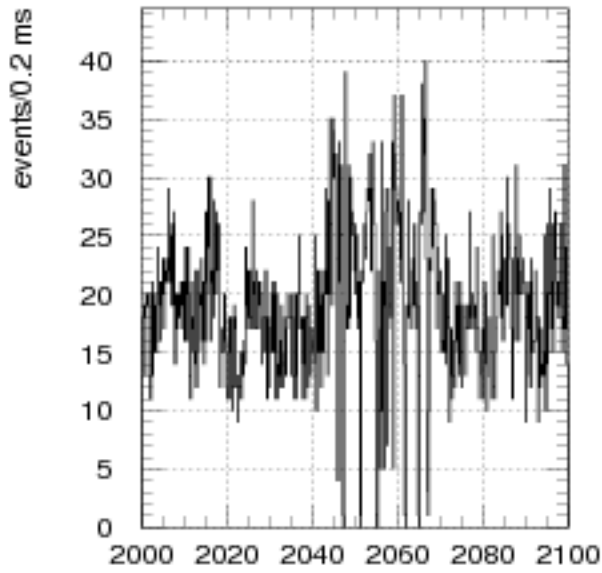


Fig. 2a spill ms

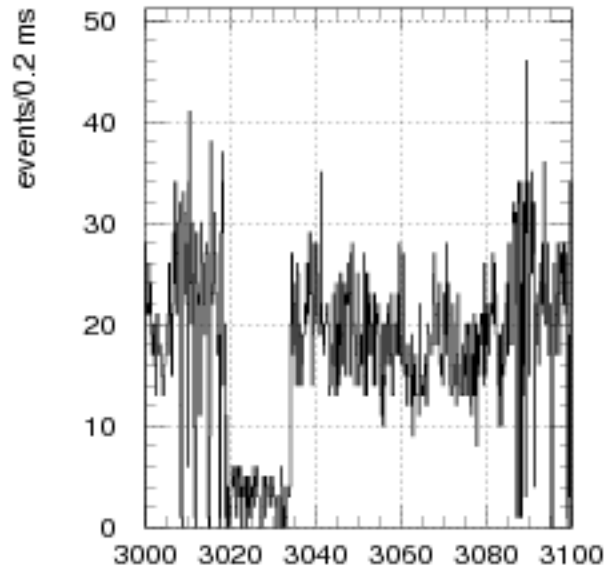


Fig. 2b spill ms

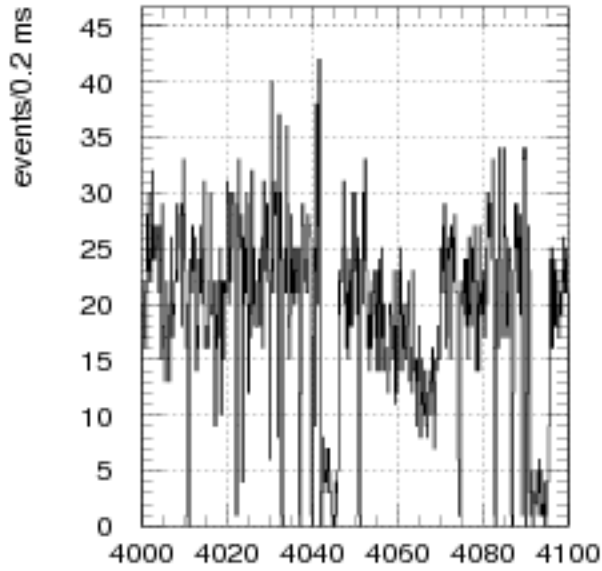


Fig. 2c spill ms

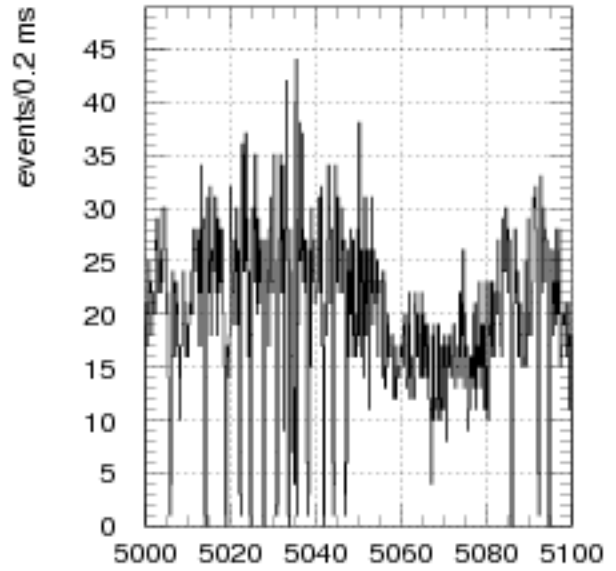


Fig 2d spill ms

Spill distribution

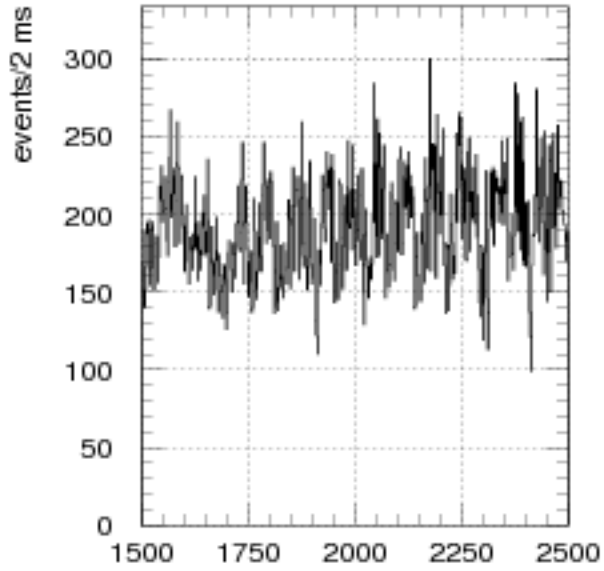


Fig. 2e spill ms

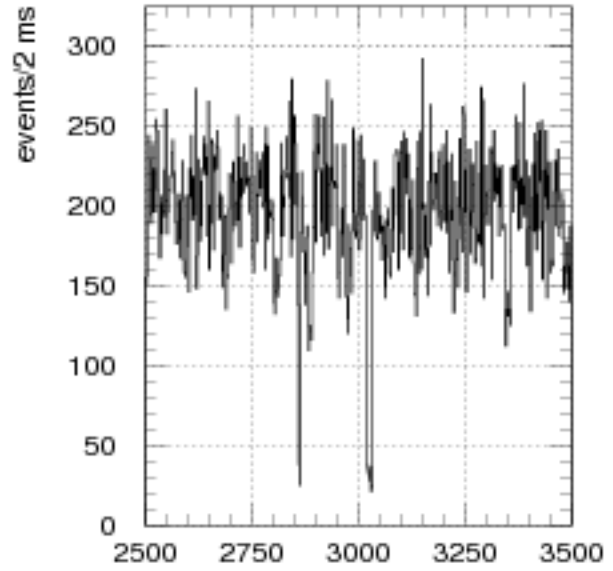


Fig. 2f spill ms

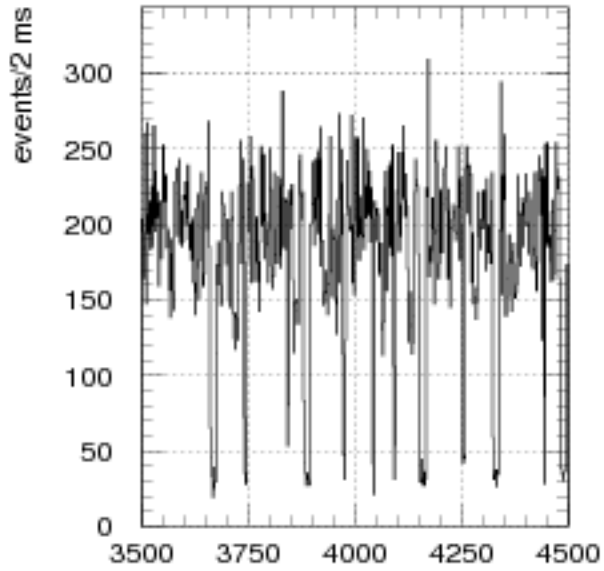


Fig. 2g spill ms

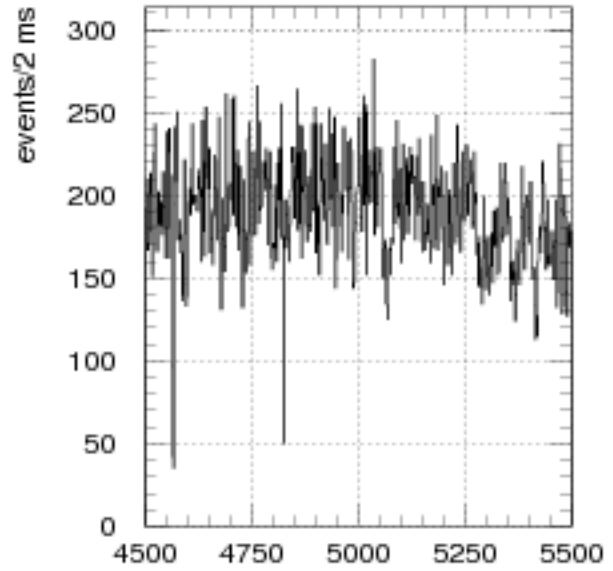


Fig. 2h spill ms

## Spill statistics/ms

RUN 12567 BURST 336

Mean	94.4175	RMS	25.0398
Skewness	-0.648313	+/-	0.0387298
Kurtosis	4.564	+/-	0.0774597
RMS/sqrt(Mean)	2.57694		
Range/RMS	7.18857		

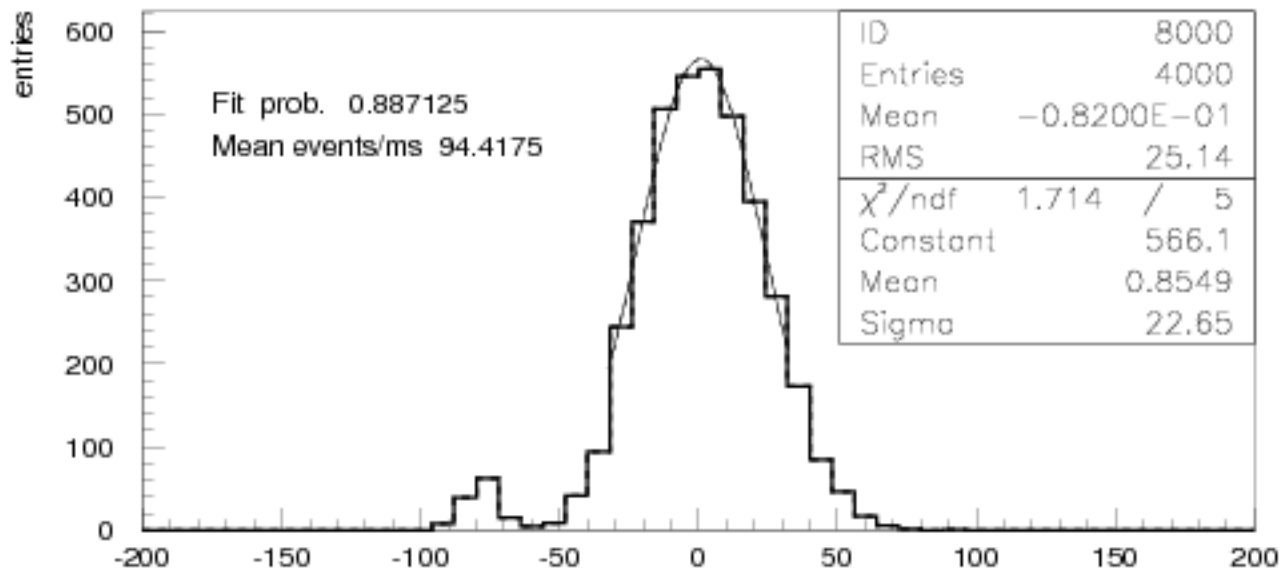


Fig. 3 Spill ( 1.5 - 5.5 sec): distribution of events/ms - mean



Uncorrected folded time (units 25 ns)

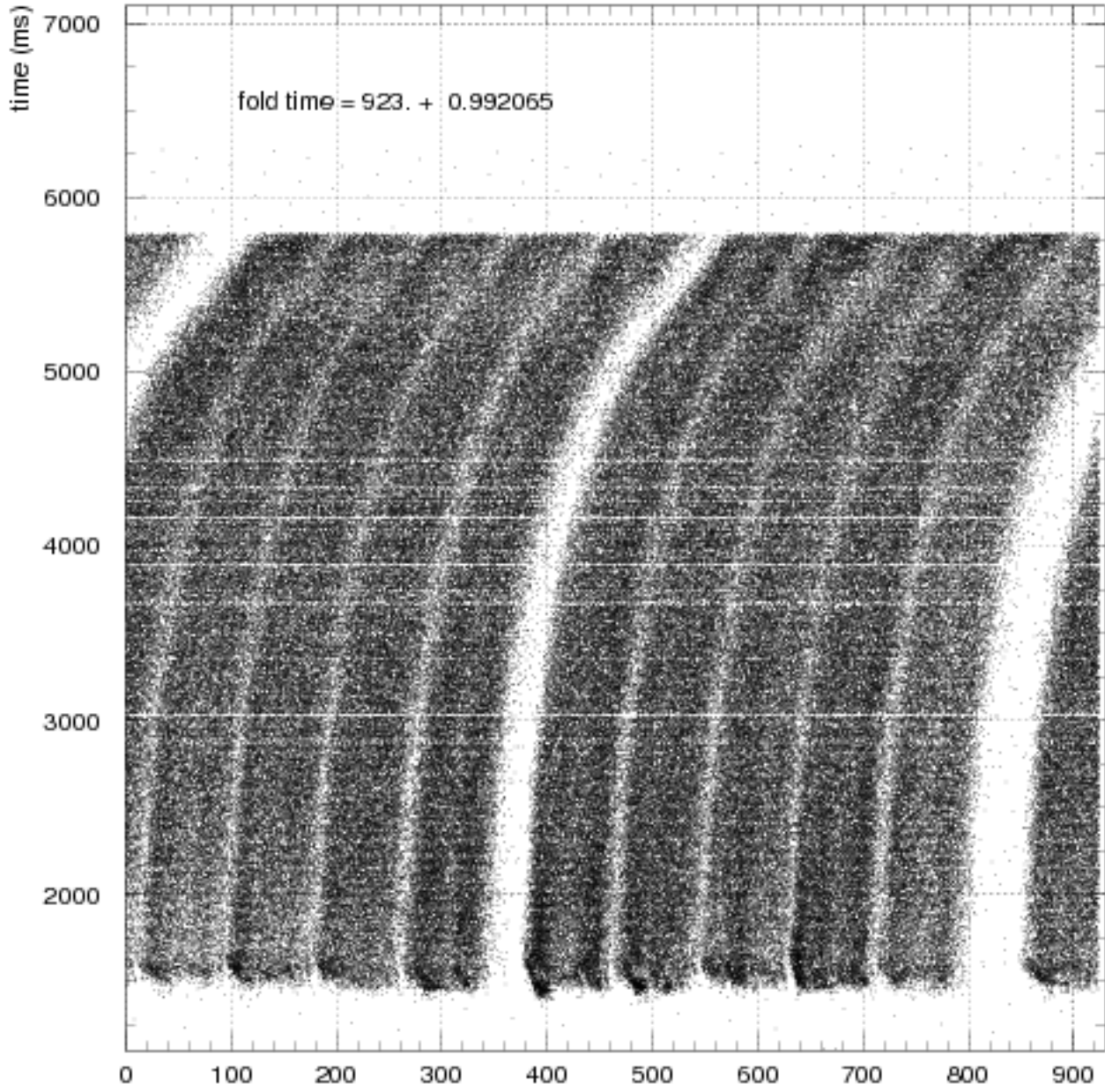


Fig. 4 Folded time/25ns

Cubic-corrected folded time (autocorr.kumac)

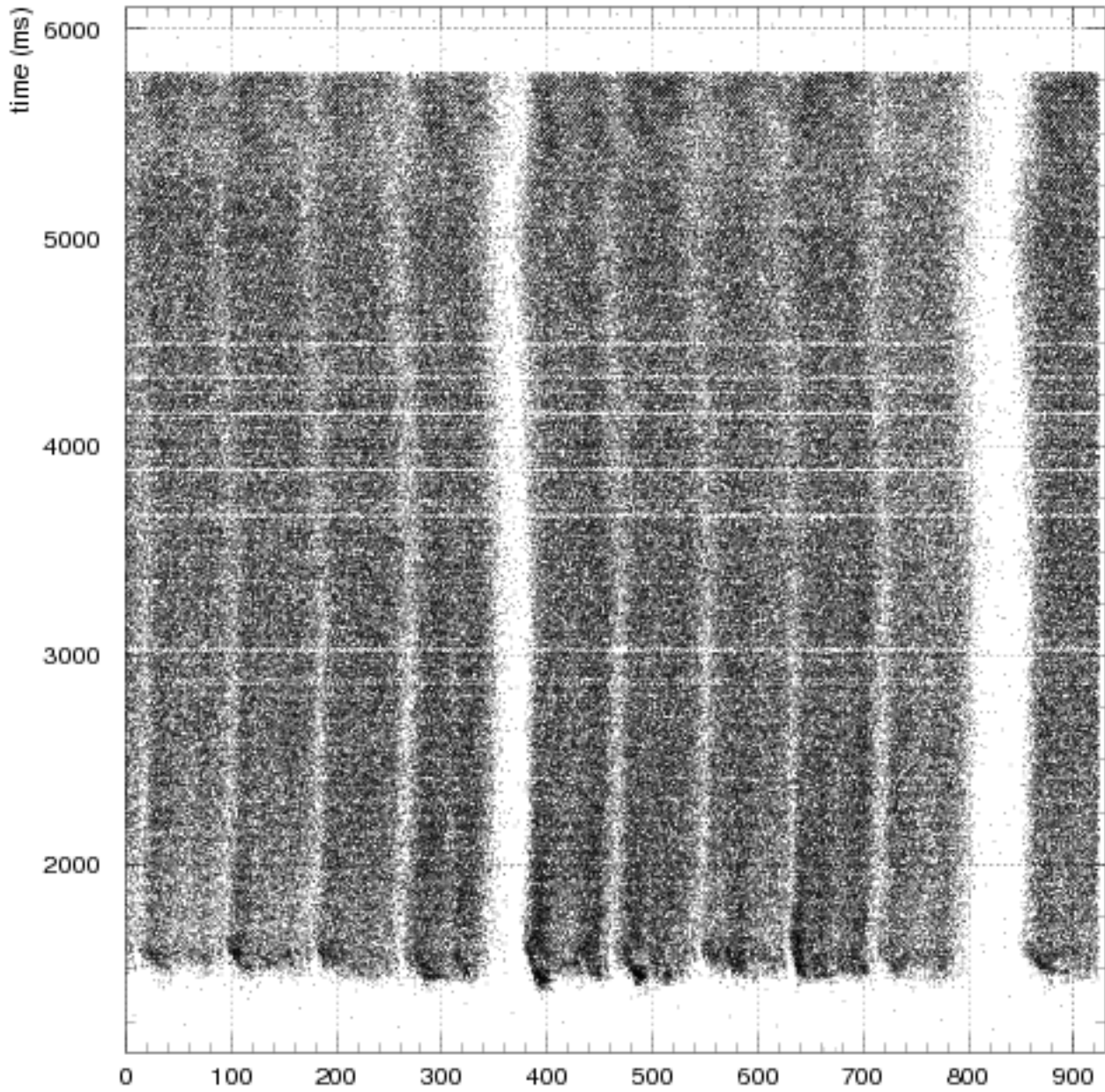


Fig. 5 Corrected folded time/25ns

## Folded Time Distributions

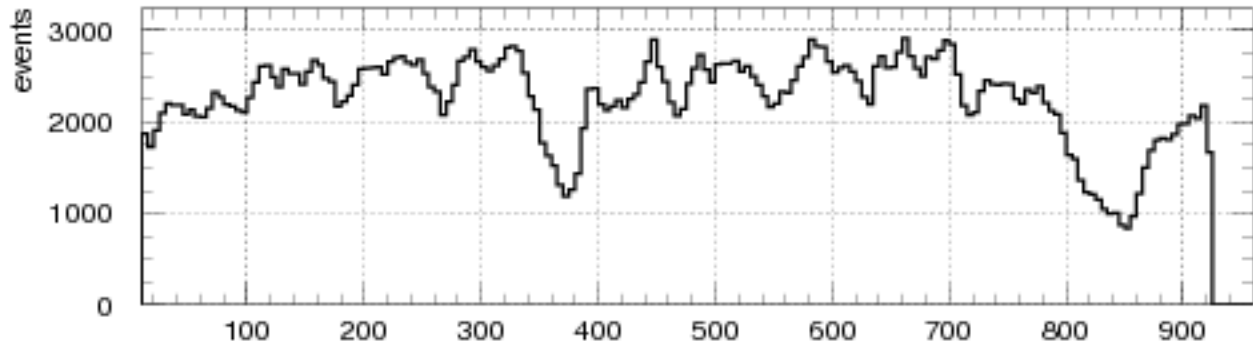


Fig. 6a Uncorrected folded time

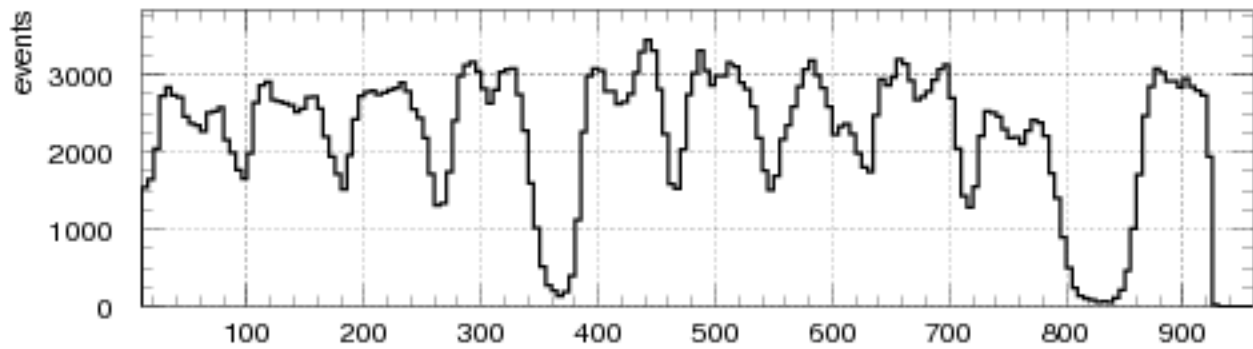


Fig. 6b Corrected folded time

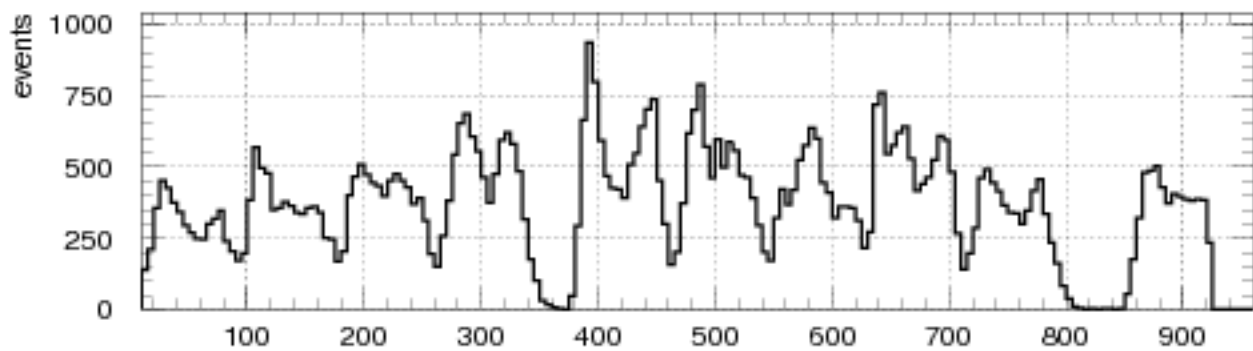


Fig. 6c Uncorrected folded time for 1200-2200 ms spill time

## Folded Time Distributions

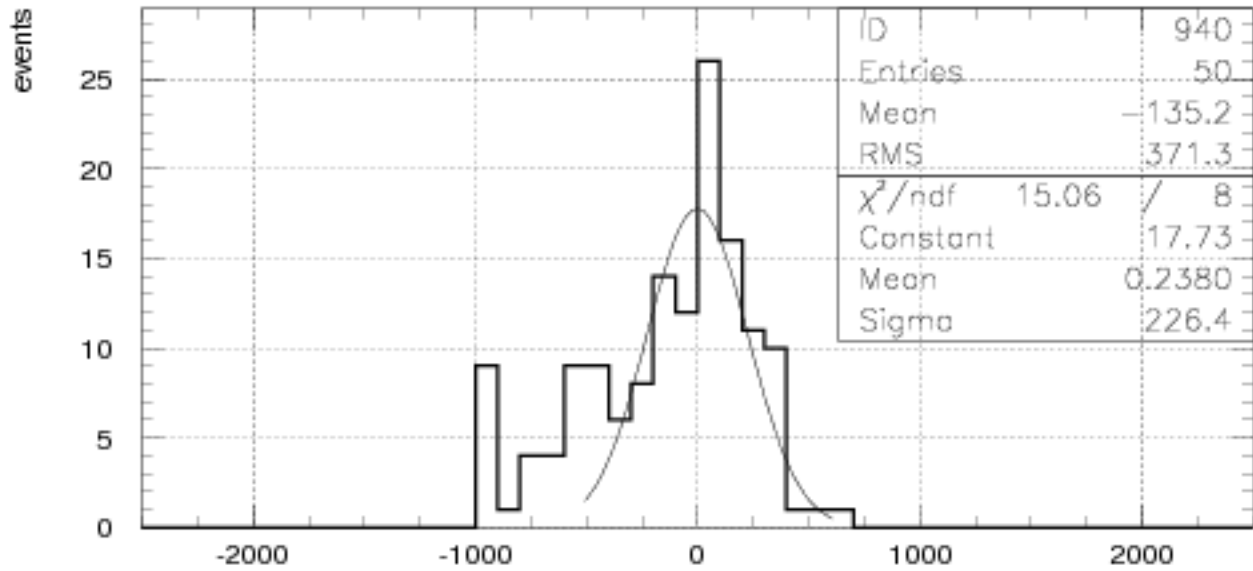


Fig. 6b2 Corrected folded time

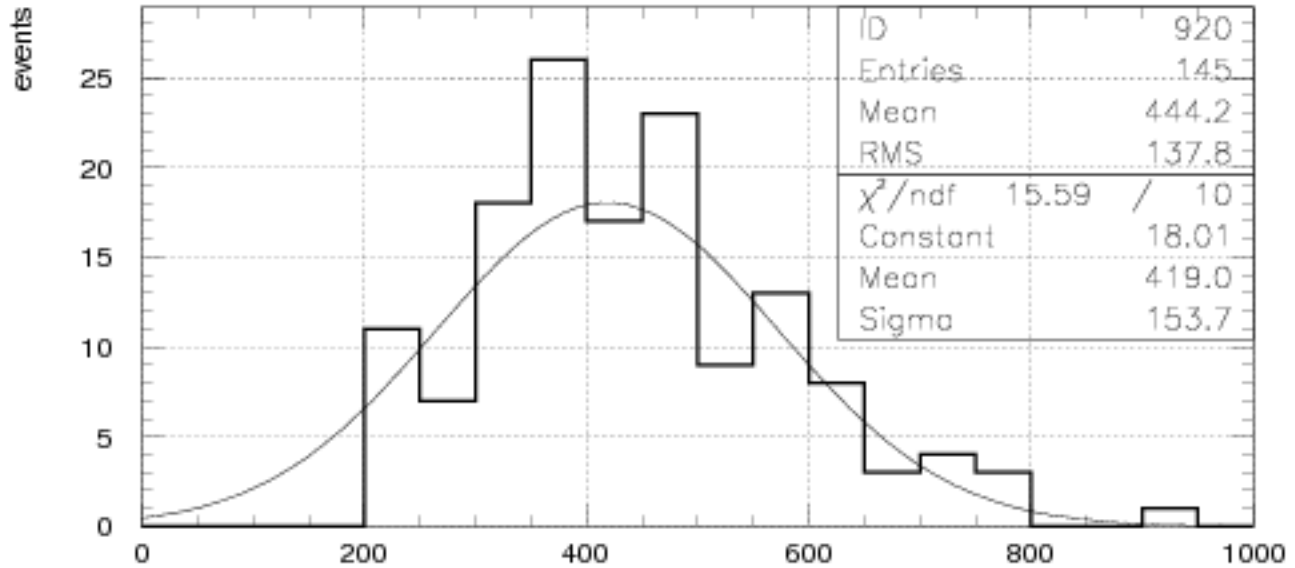


Fig. 6c2 Uncorrected folded time

Sample Autocorrelation Coefficient (1.5 - 5.5 secs) il = 1 iphase =150

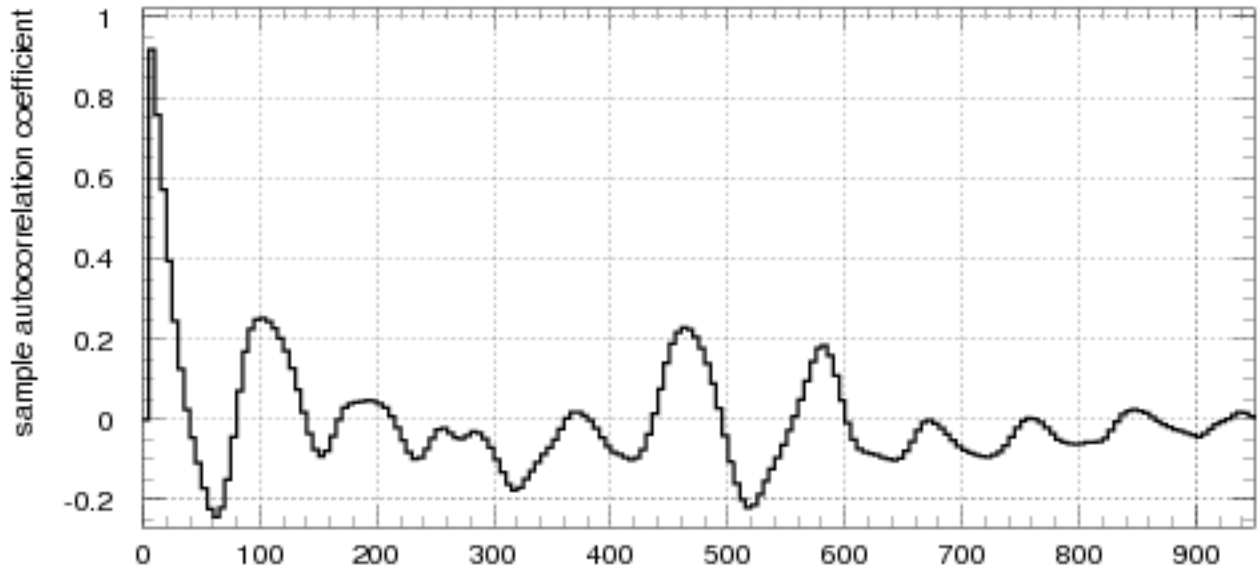


Fig. 7a Time lag (corrected folded time)

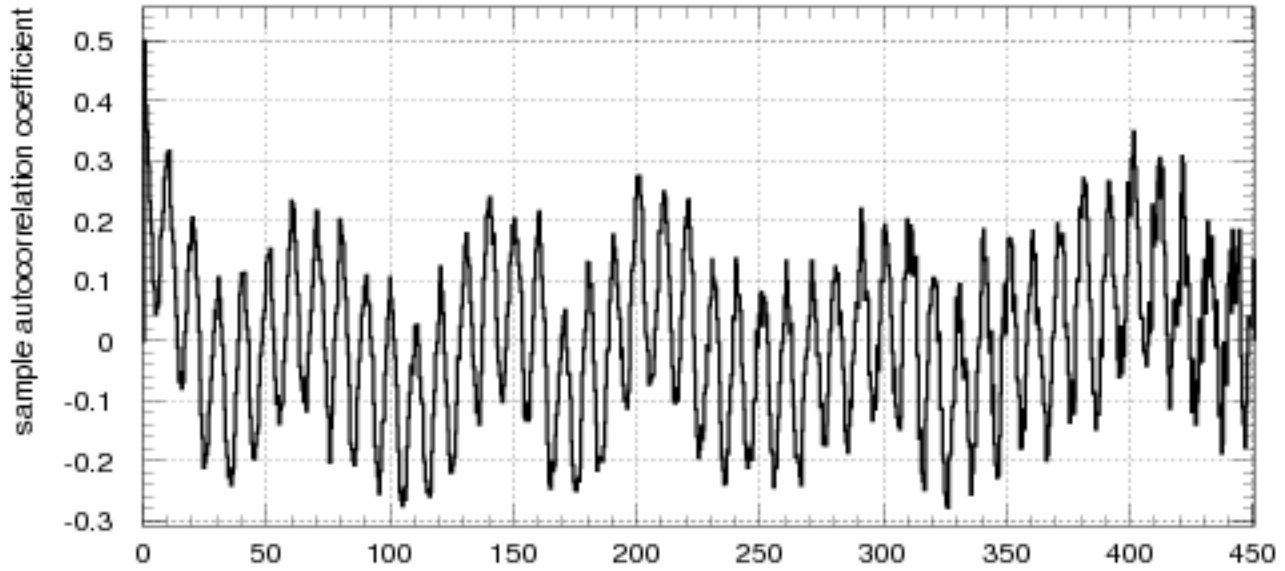


Fig. 7b Time lag (Spill - ms )

### Fourier Transform

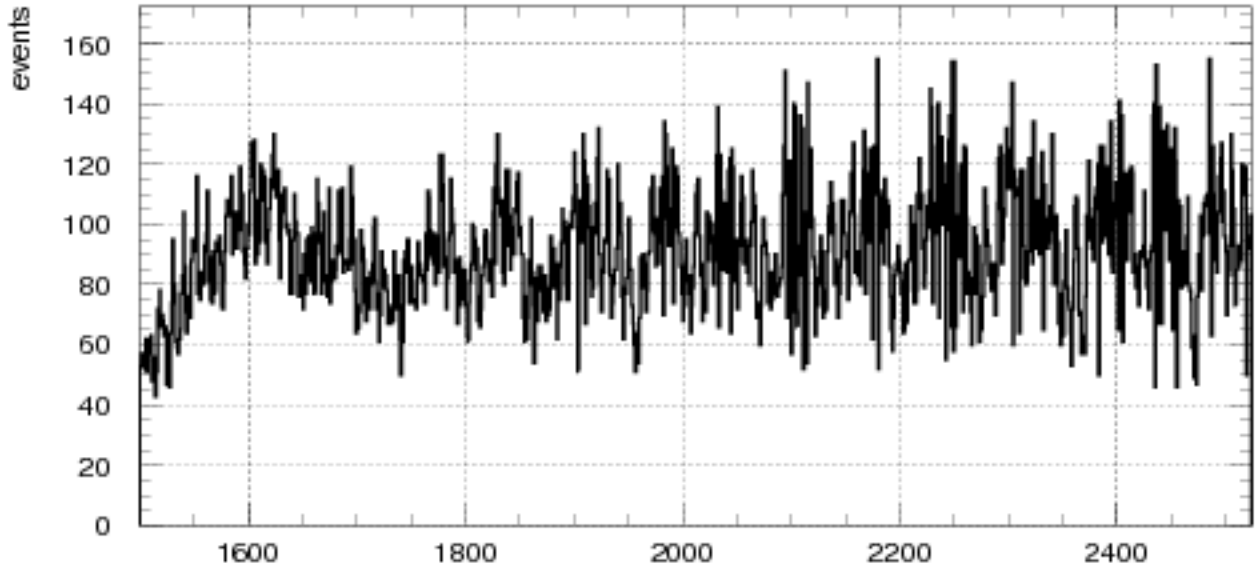


Fig. 8a Time(ms)

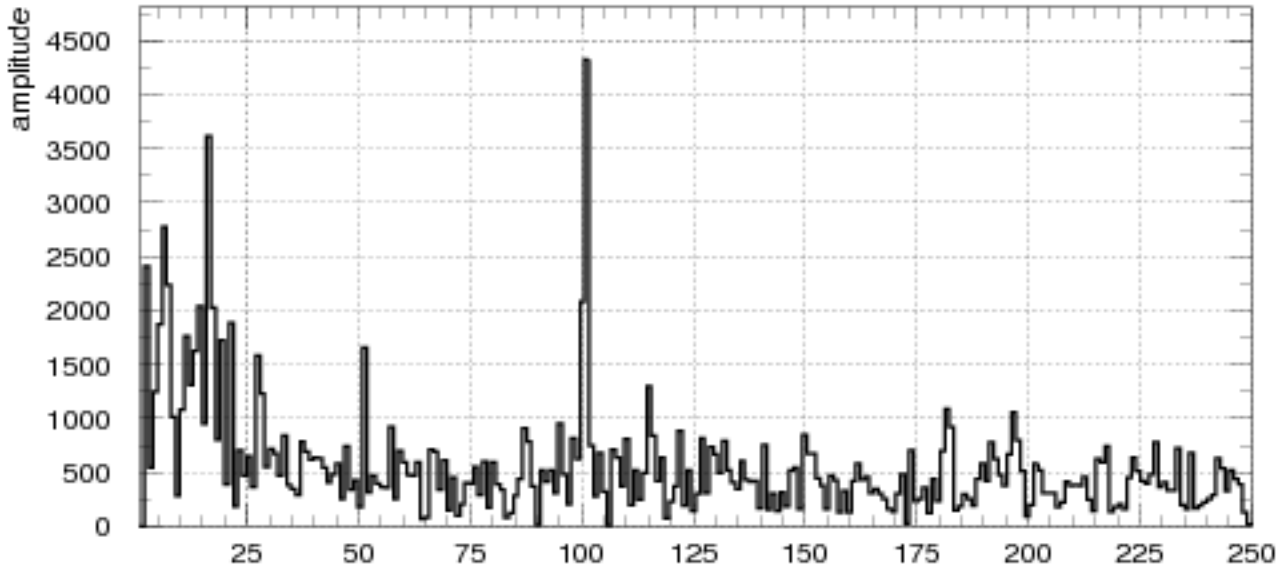


Fig. 8b Frequency(Hz)

SPILL STRUCTURE PLOTS - Spill Time Distribution

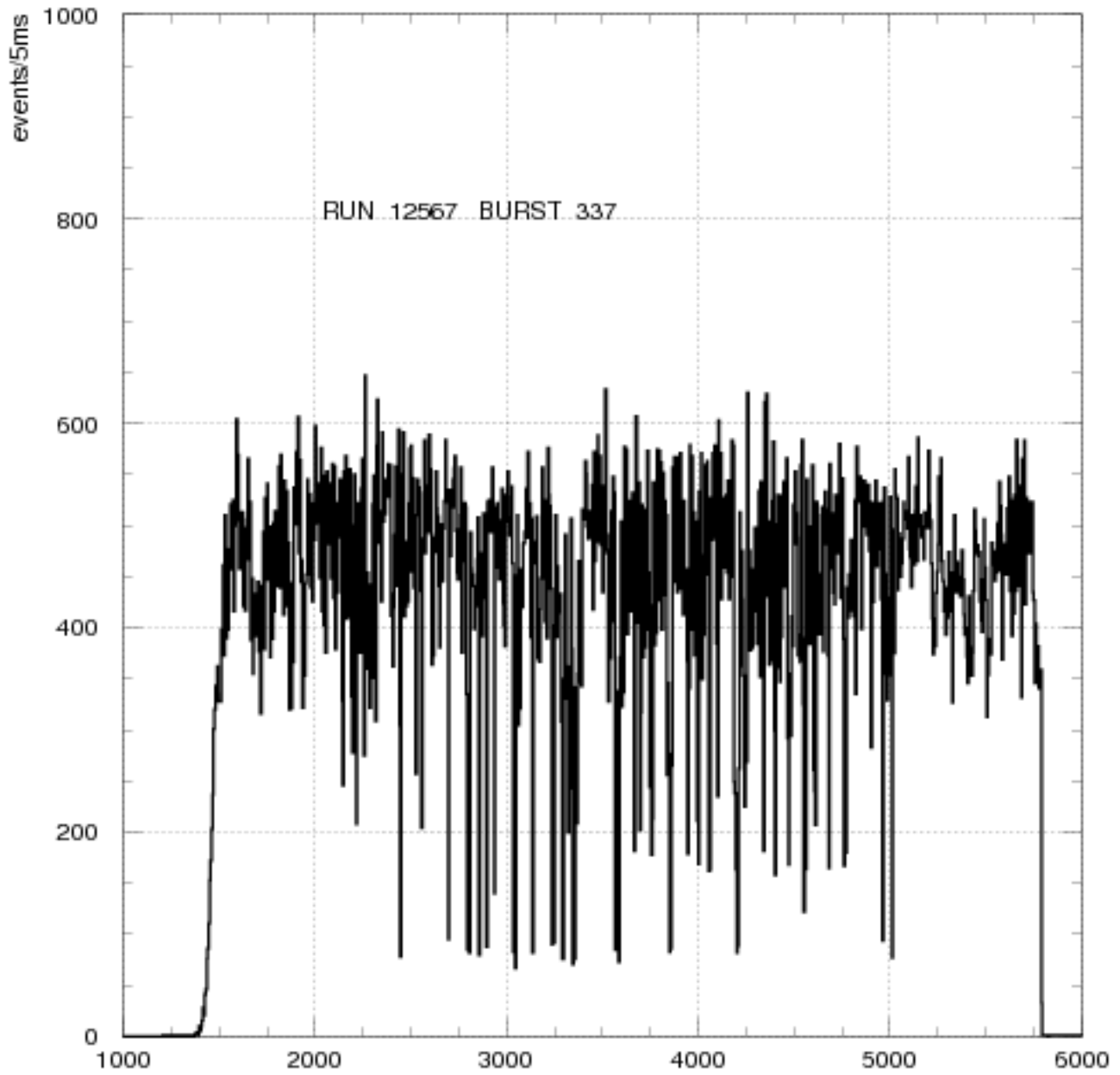


Fig 1. Time (ms)

Spill distribution

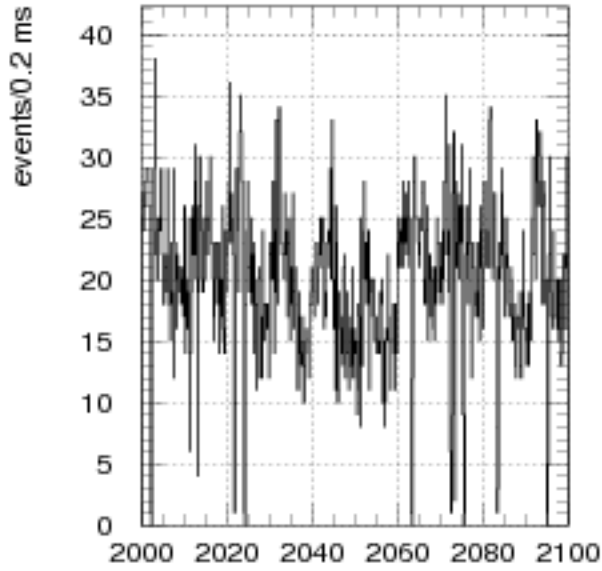


Fig. 2a spill ms

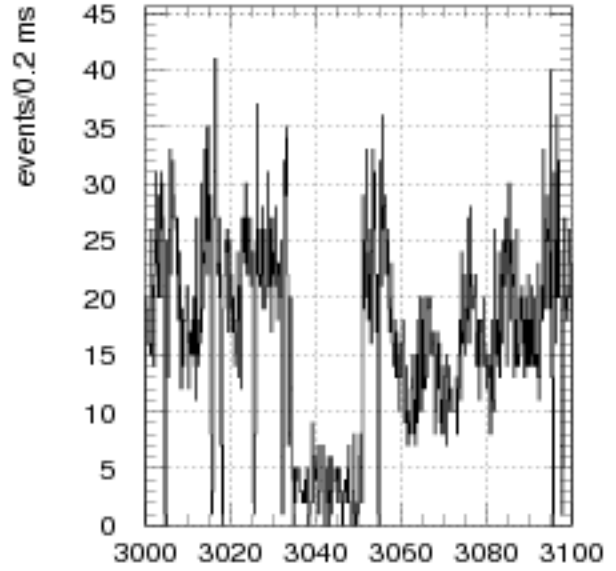


Fig. 2b spill ms

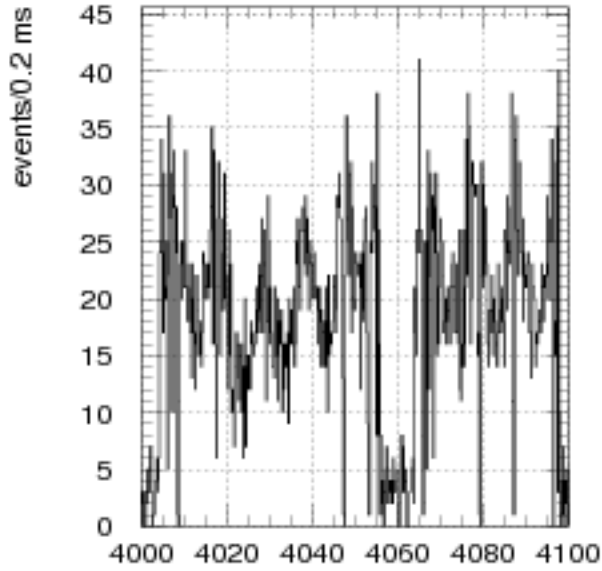


Fig. 2c spill ms

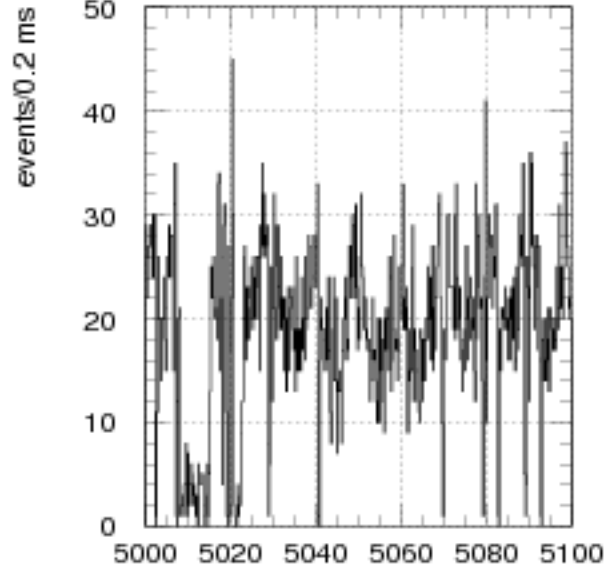


Fig. 2d spill ms



Spill distribution

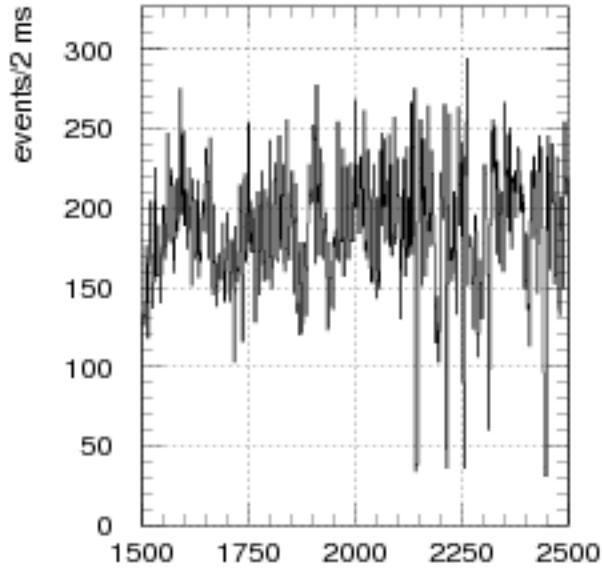


Fig. 2e spill ms

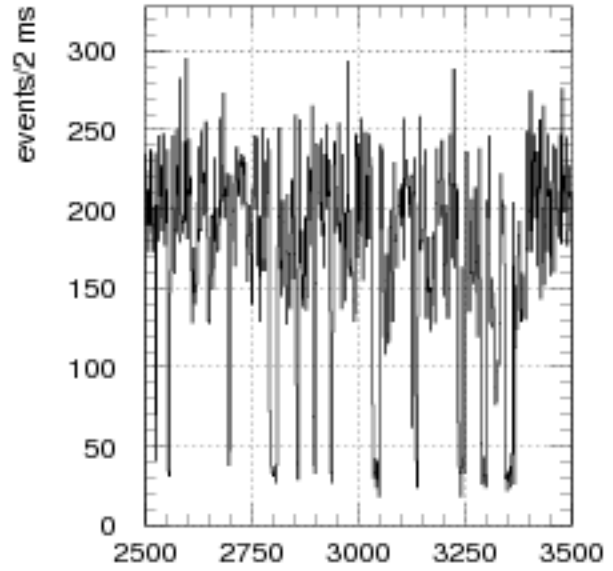


Fig. 2f spill ms

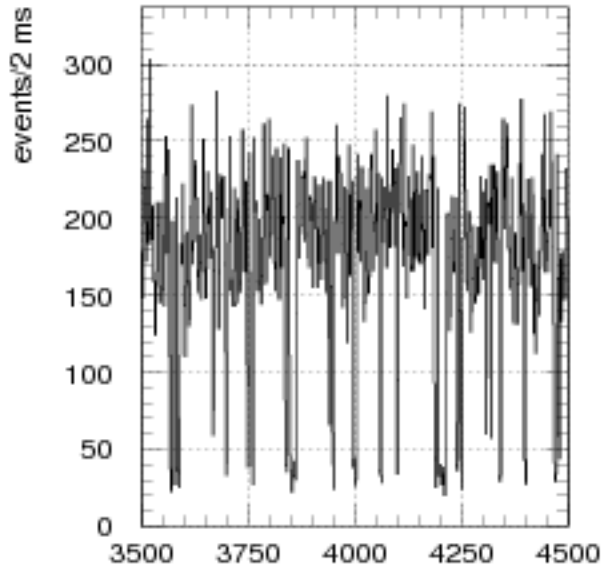


Fig. 2g spill ms

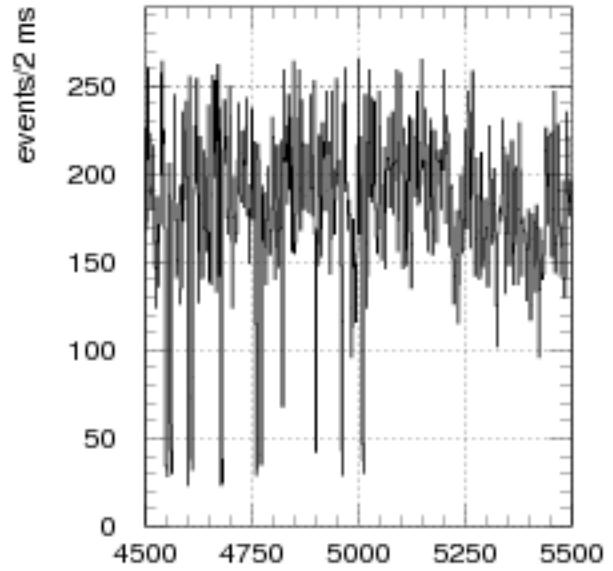


Fig. 2h spill ms

## Spill statistics/ms

RUN 12567 BURST 337

Mean	88.754	RMS	30.3905
Skewness	-0.721473	+/-	0.0387298
Kurtosis	3.60365	+/-	0.0774597
RMS/sqrt(Mean)	3.22584		
Range/RMS	5.62676		

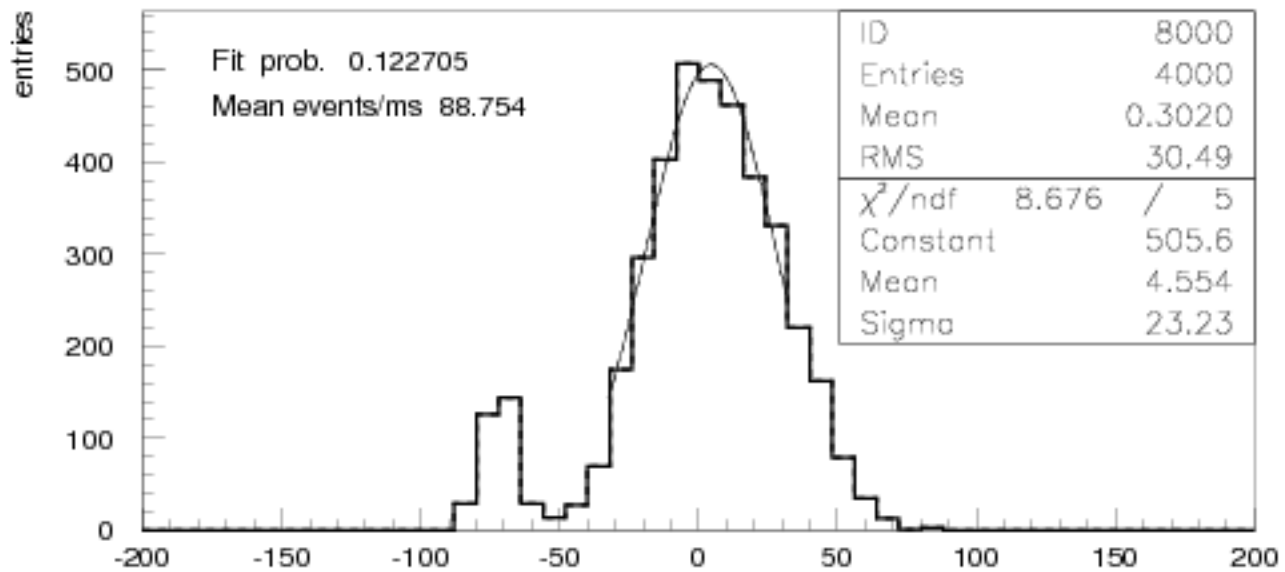


Fig. 3 Spill ( 1.5 - 5.5 sec): distribution of events/ms - mean

Uncorrected folded time (units 25 ns)

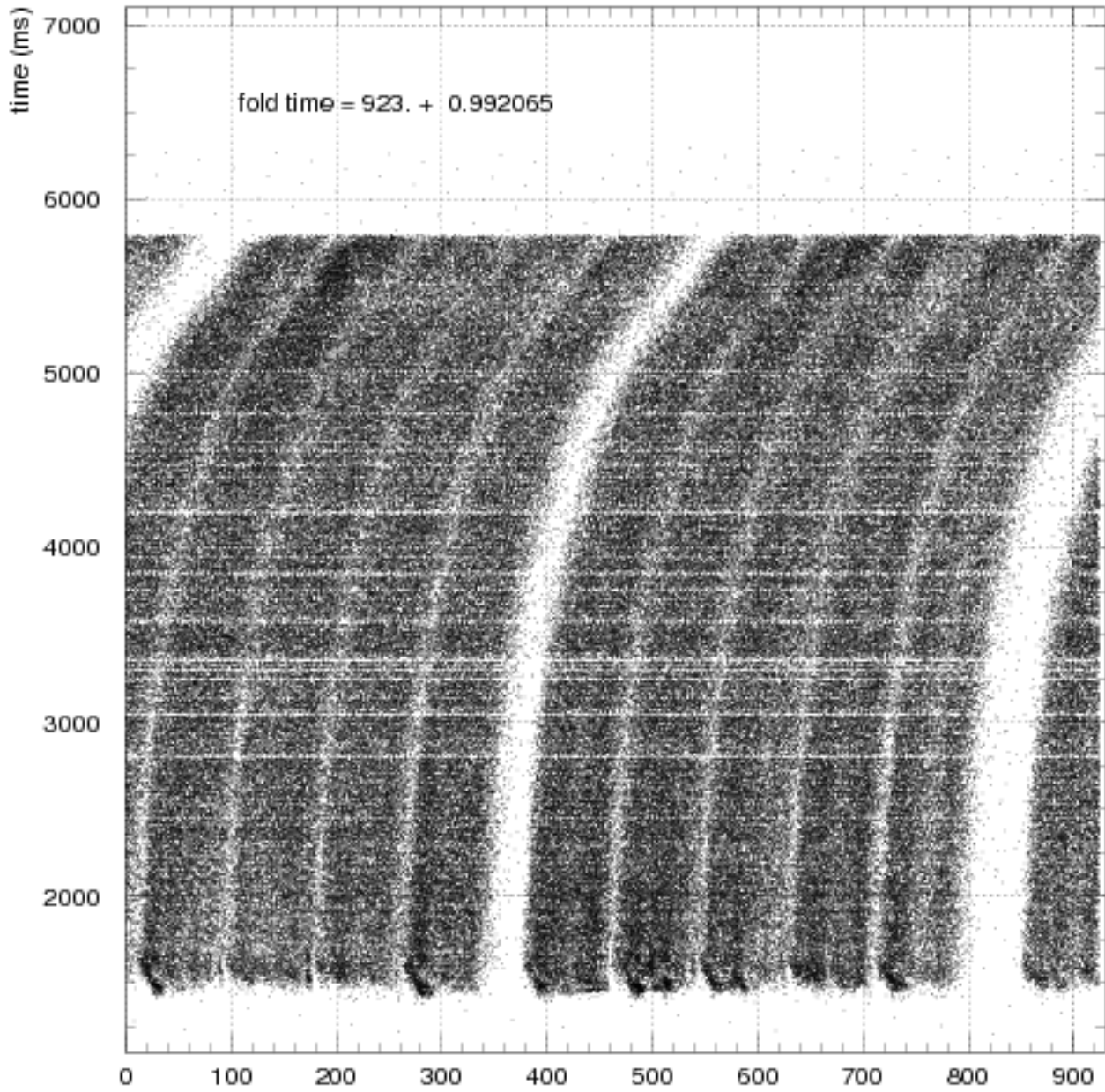


Fig. 4 Folded time/25ns

Cubic-corrected folded time (autocorr.kumac)

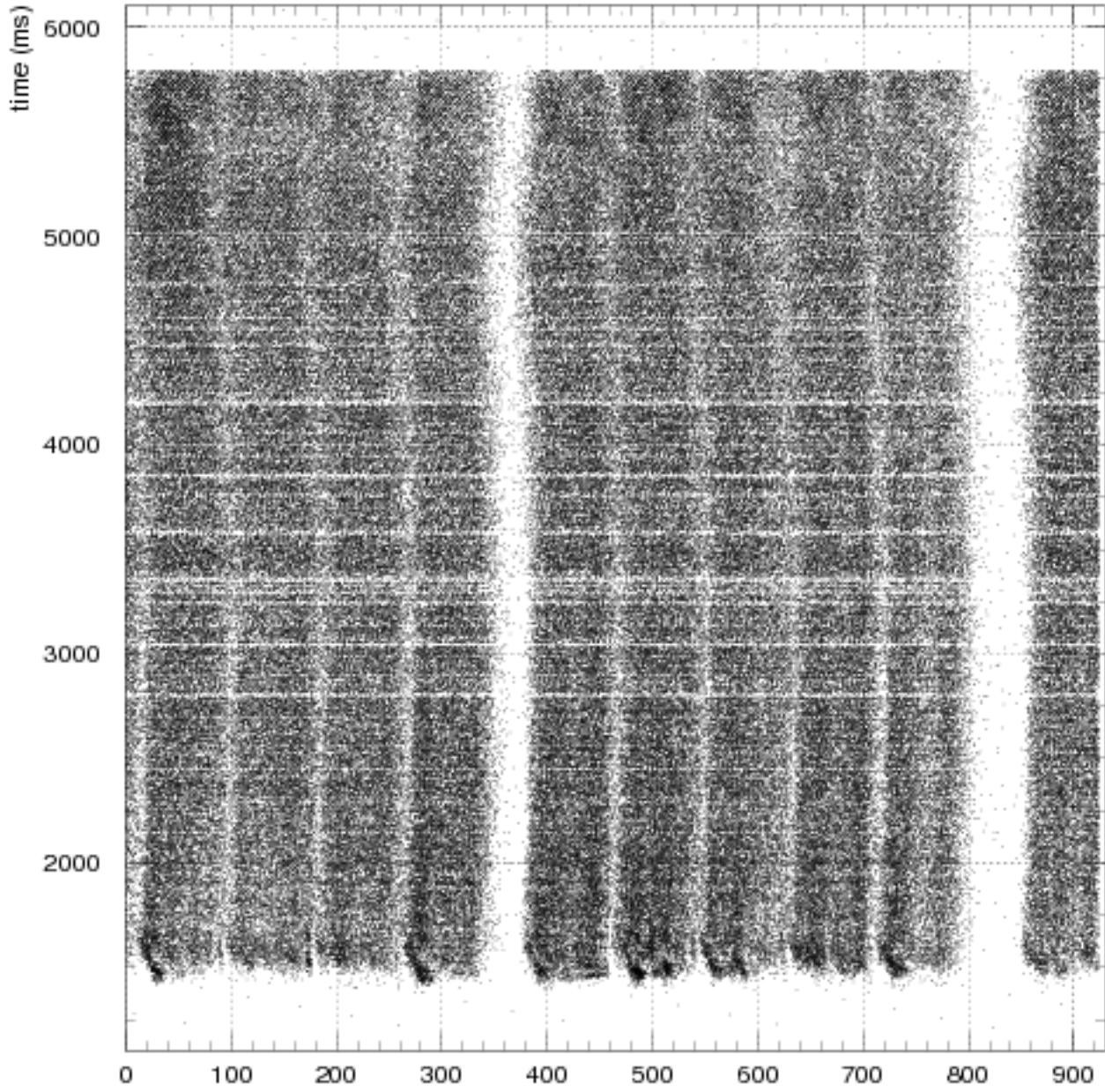


Fig. 5 Corrected folded time/25ns

### Folded Time Distributions

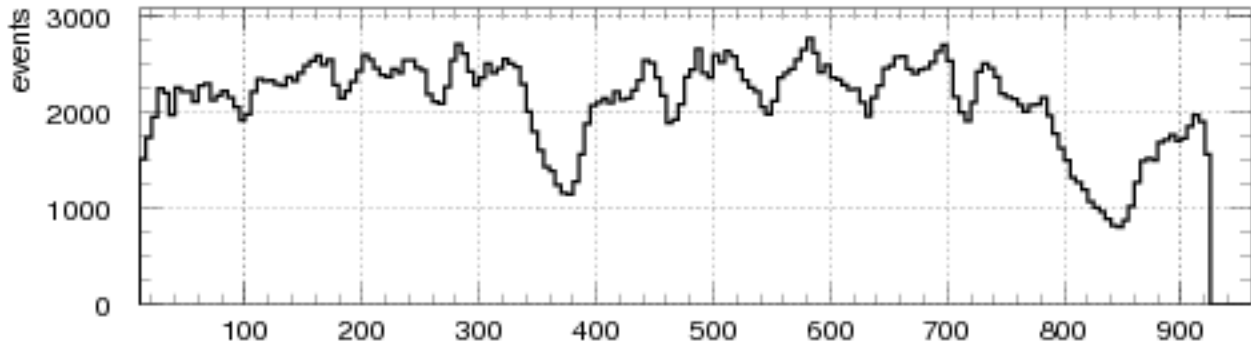


Fig. 6a Uncorrected folded time

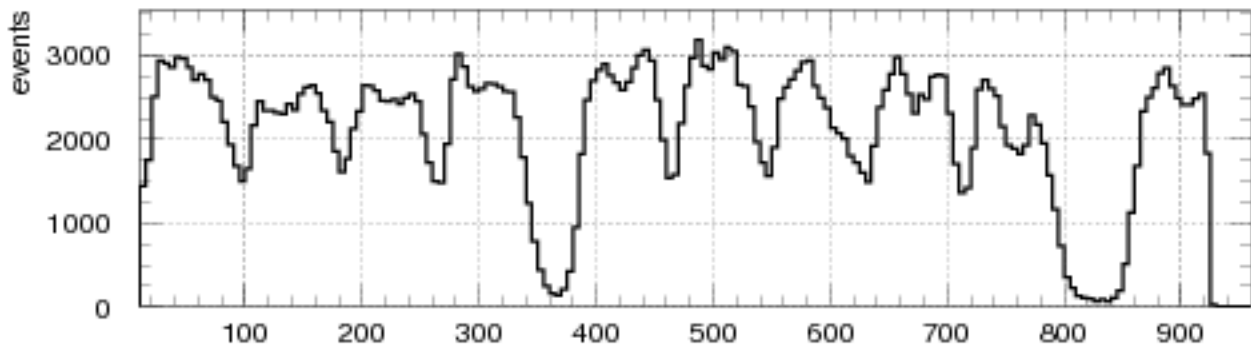


Fig. 6b Corrected folded time

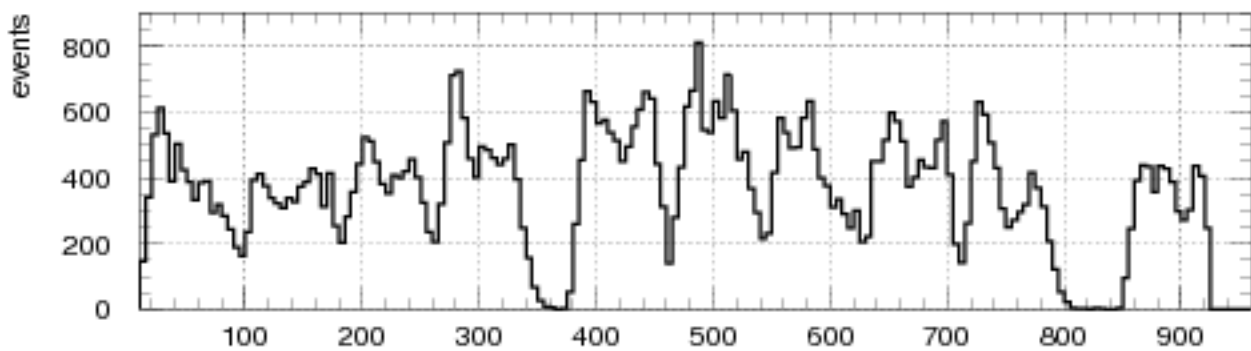


Fig. 6c Uncorrected folded time for 1200-2200 ms spill time

## Folded Time Distributions

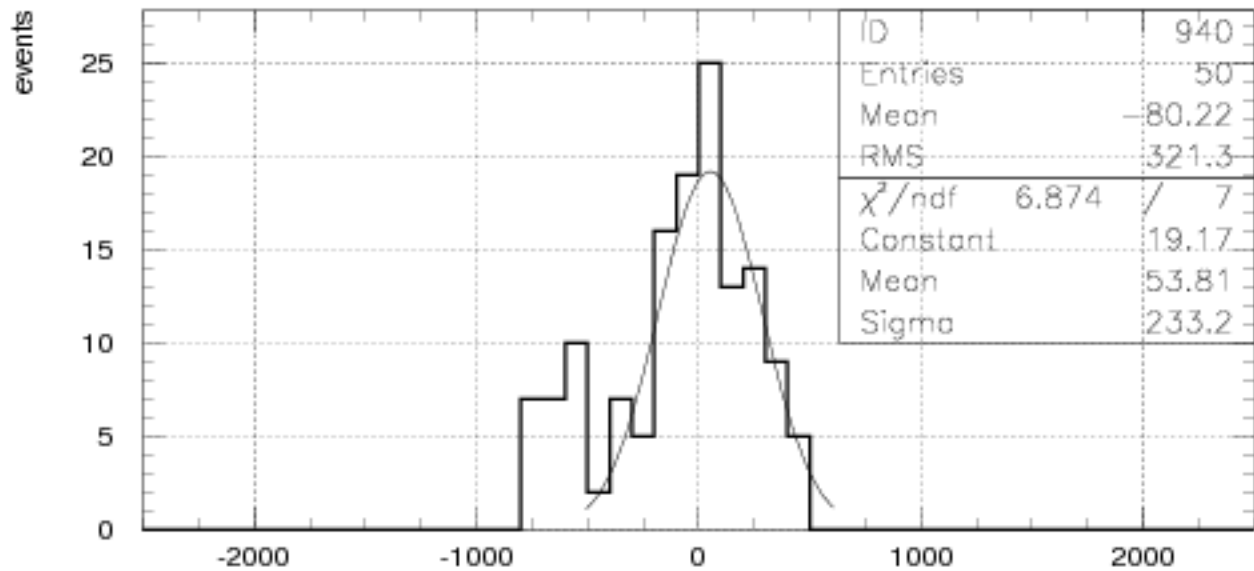


Fig. 6b2 Corrected folded time

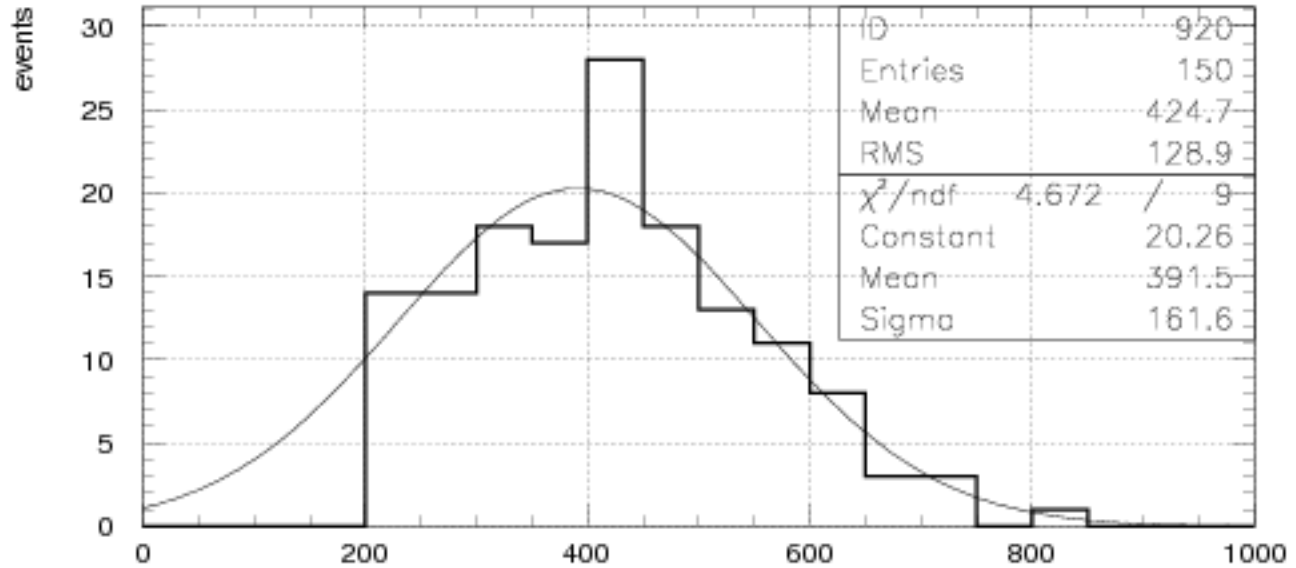


Fig. 6c2 Uncorrected folded time

Sample Autocorrelation Coefficient (1.5 - 5.5 secs) il = 1 iphase =150

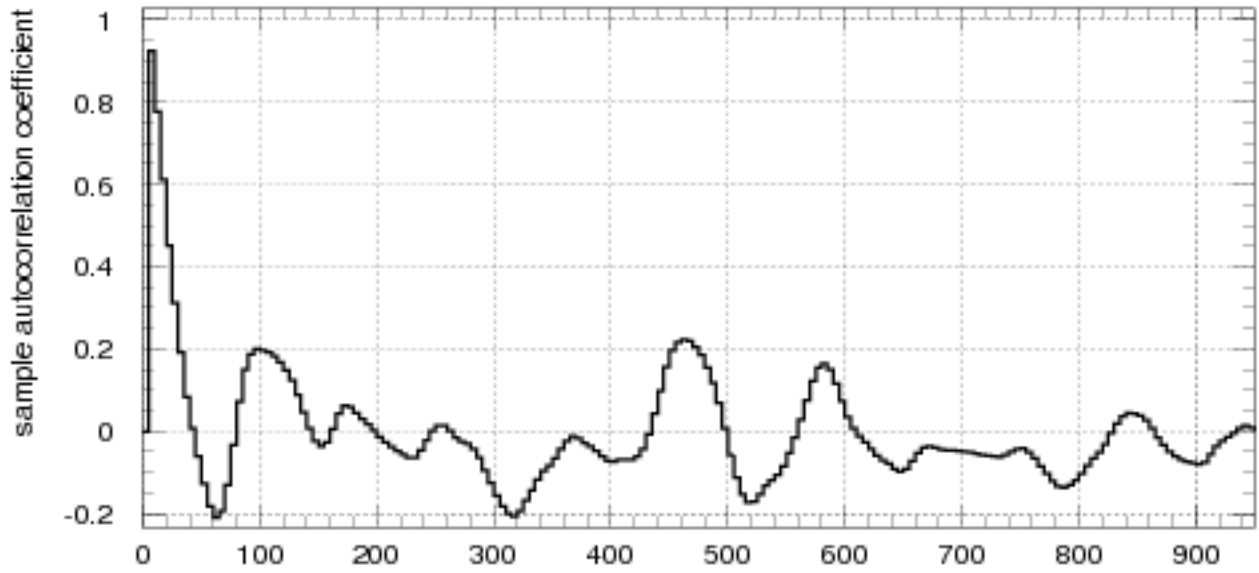


Fig. 7a Time lag (corrected folded time)

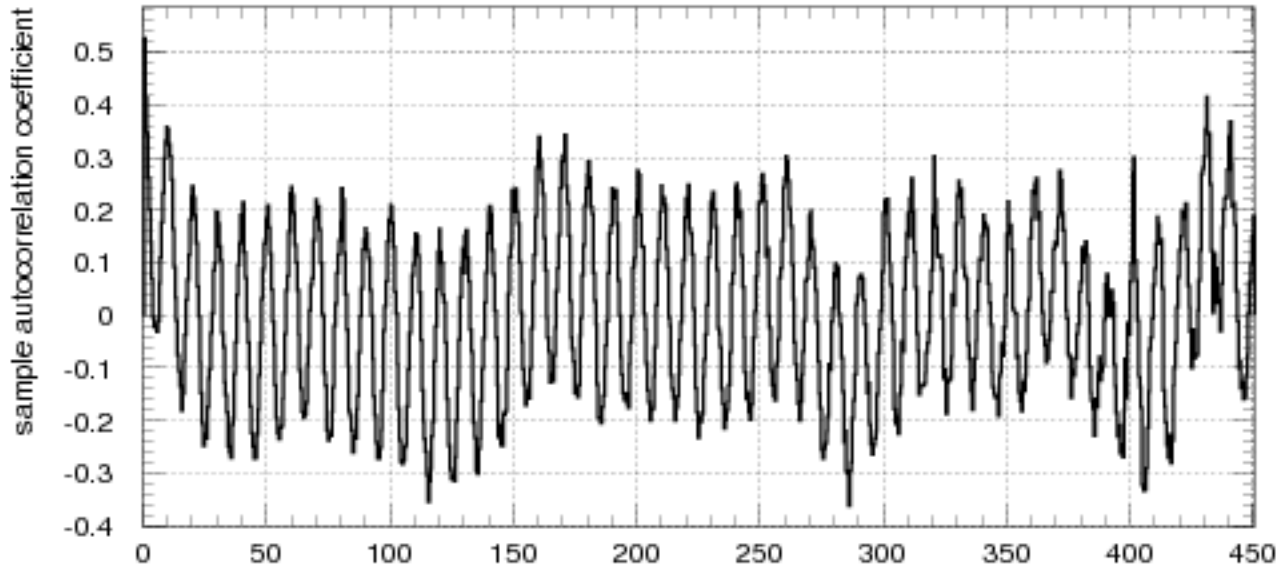


Fig. 7b Time lag (Spill - ms )

### Fourier Transform

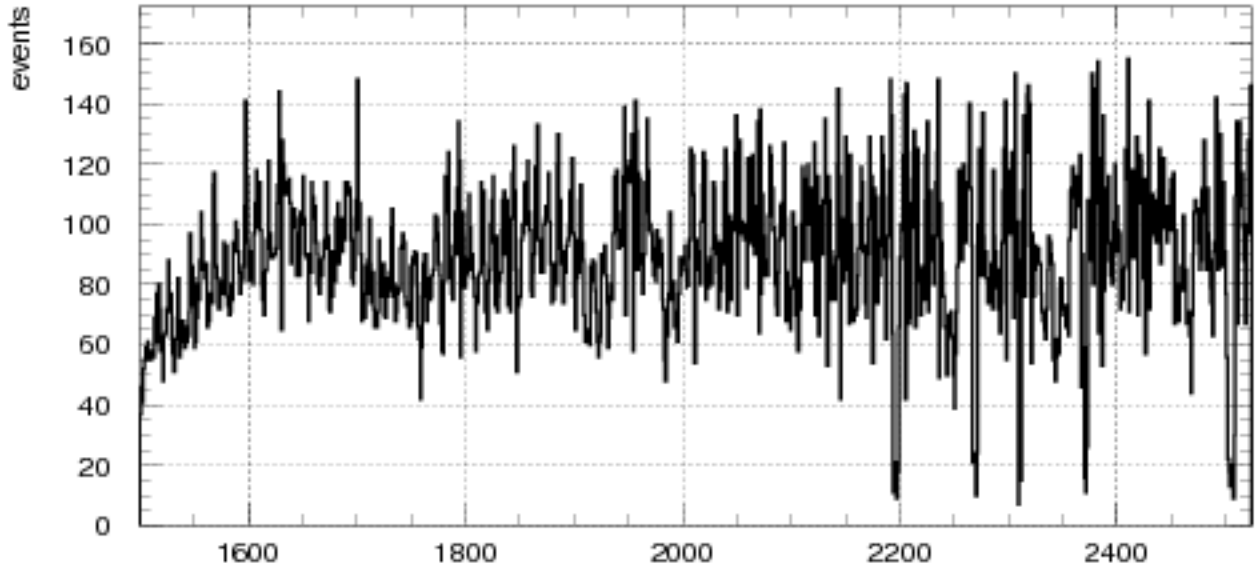


Fig. 8a Time(ms)

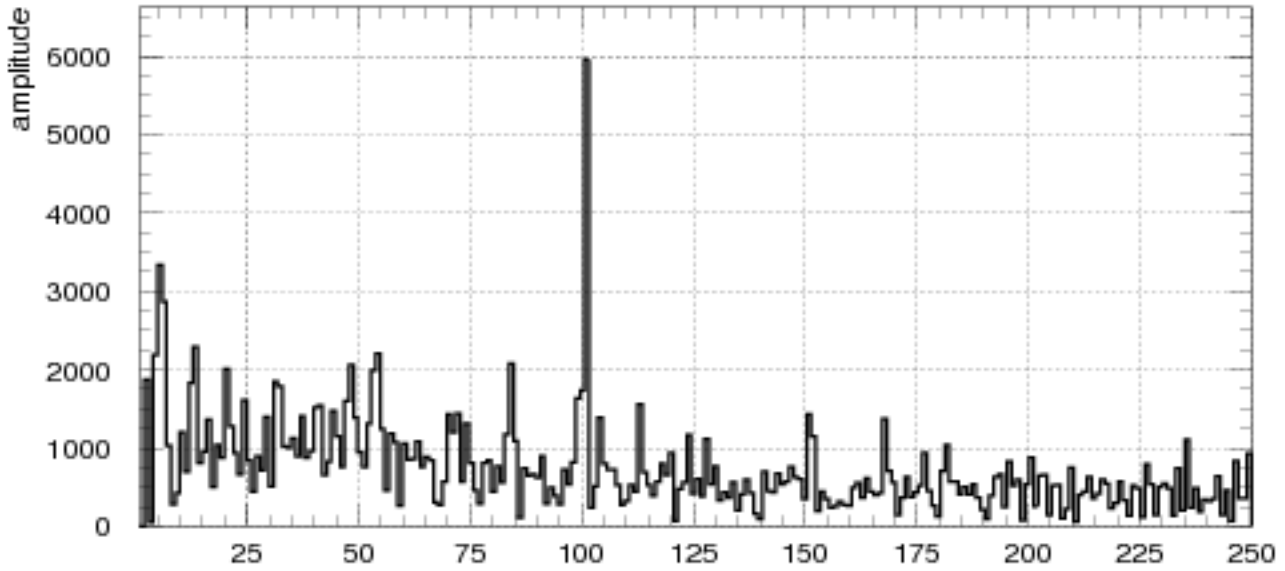


Fig. 8b Frequency(Hz)



SPILL STRUCTURE PLOTS - Spill Time Distribution

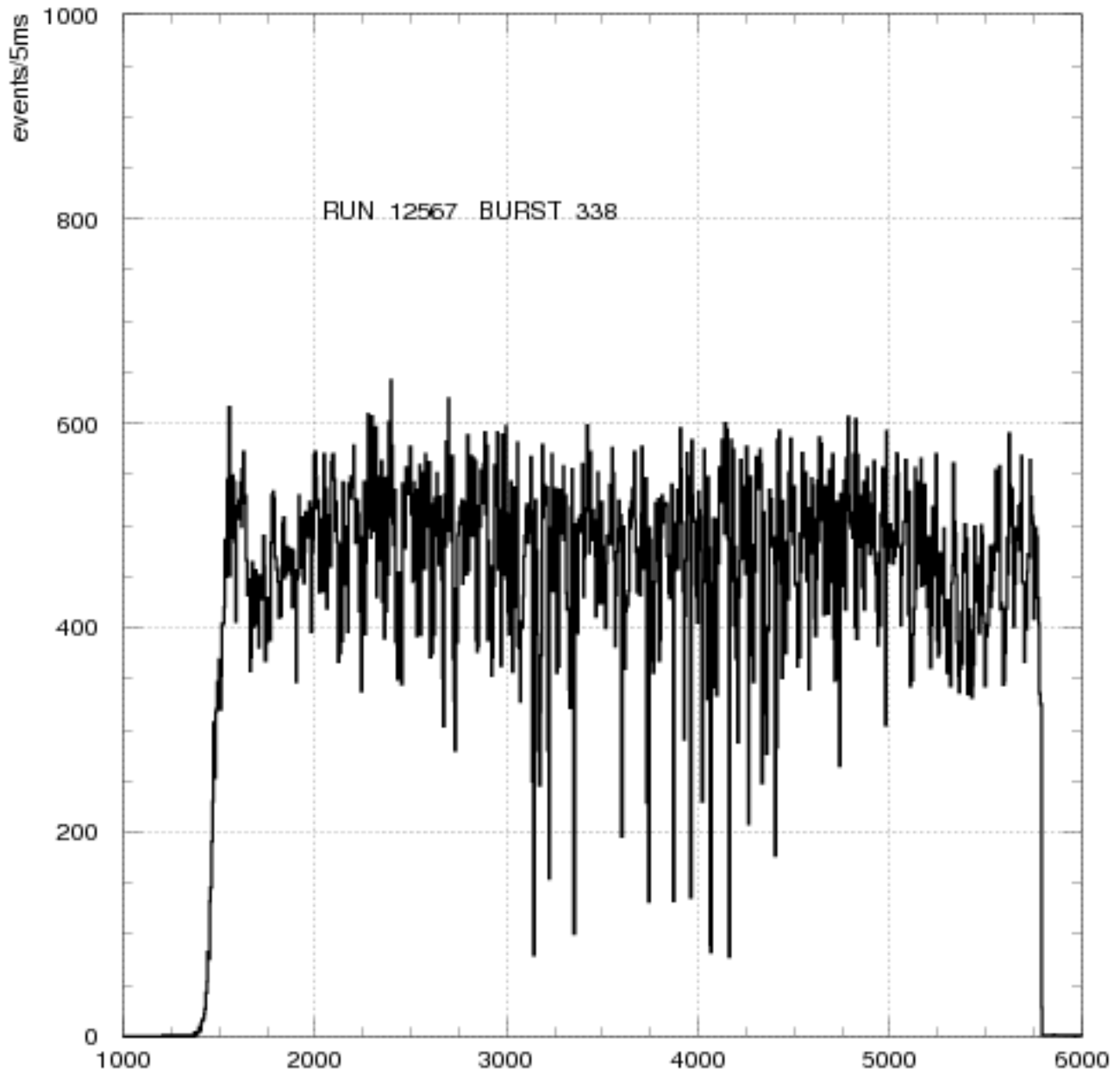


Fig 1. Time (ms)

Spill distribution

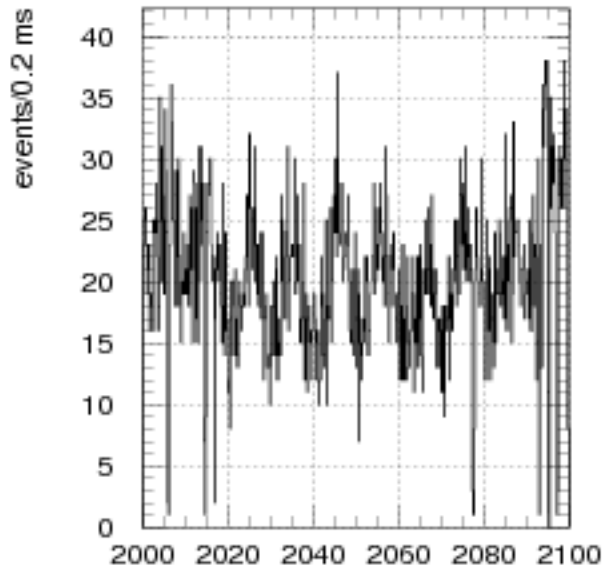


Fig. 2a spill ms

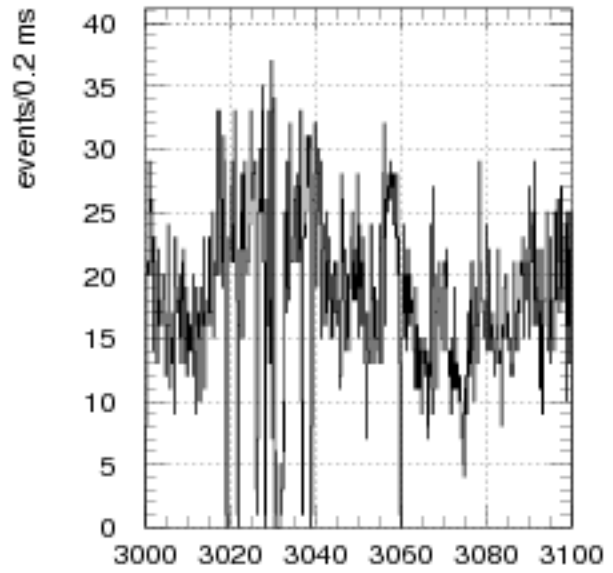


Fig. 2b spill ms

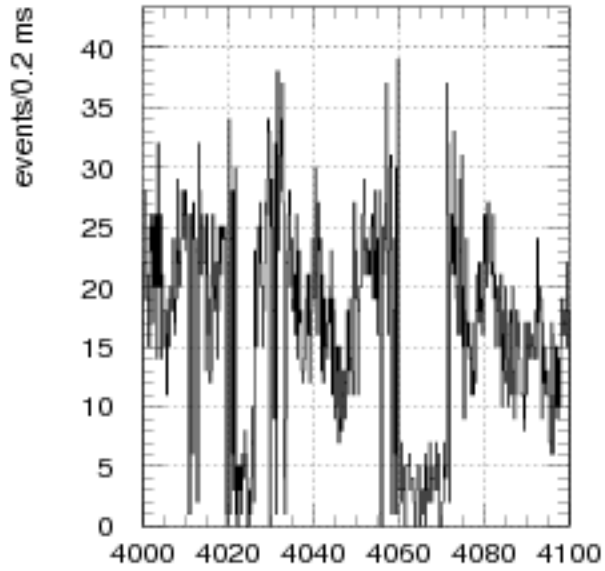


Fig. 2c spill ms

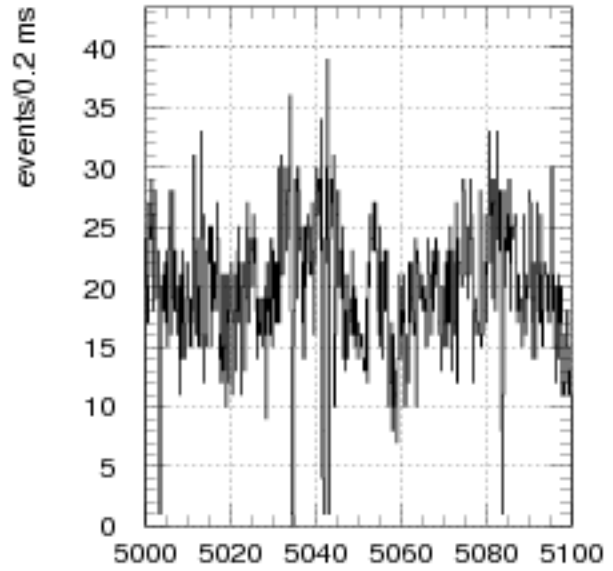


Fig 2d spill ms

Spill distribution

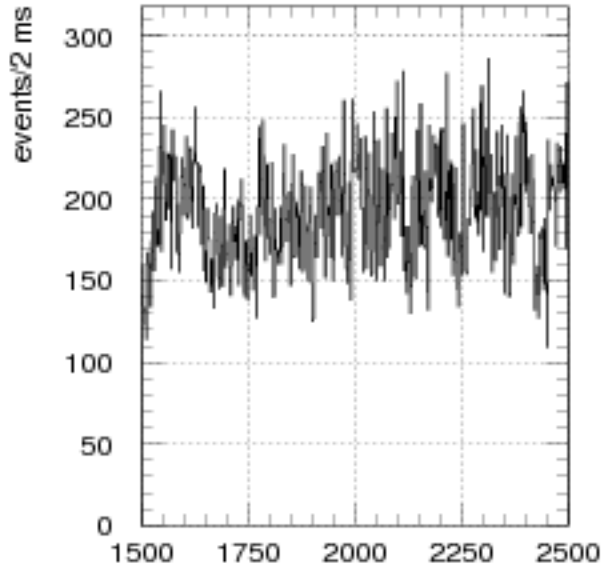


Fig. 2e spill ms

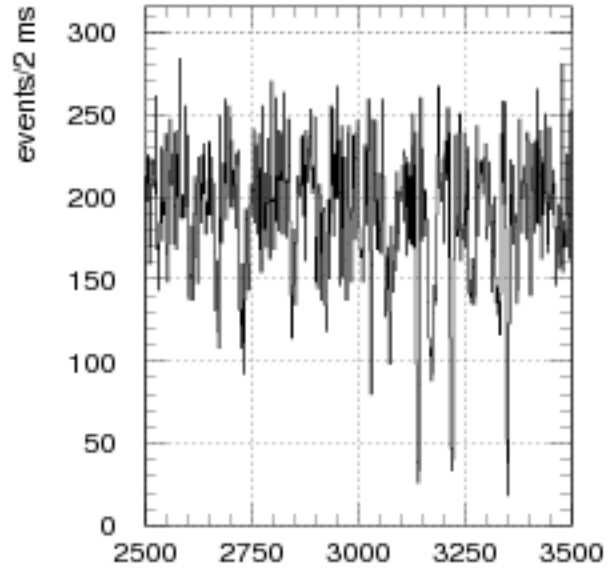


Fig. 2f spill ms

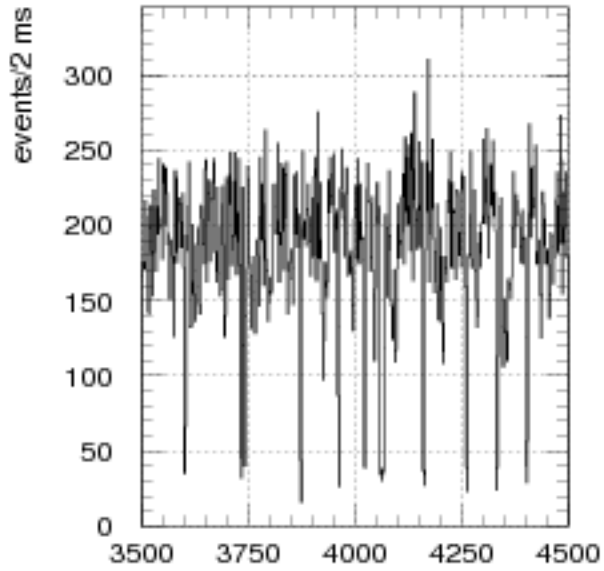


Fig. 2g spill ms

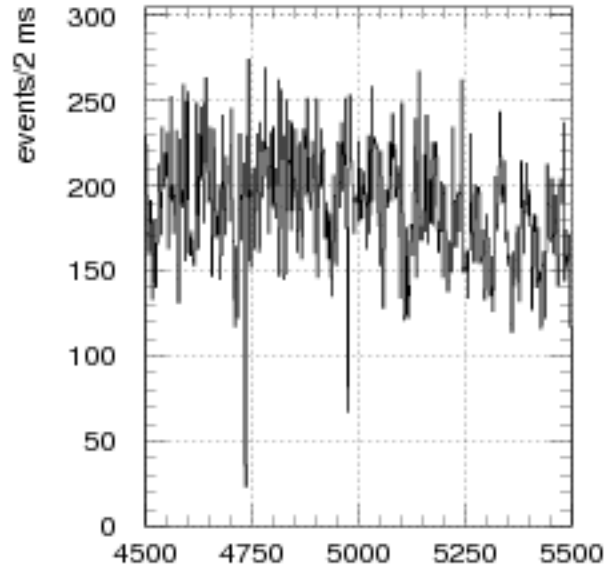


Fig. 2h spill ms

## Spill statistics/ms

RUN 12567 BURST 338

Mean	93.8412	RMS	23.3085
Skewness	-0.477597	+/-	0.0387298
Kurtosis	4.39695	+/-	0.0774597
RMS/sqrt(Mean)	2.40612		
Range/RMS	8.02284		

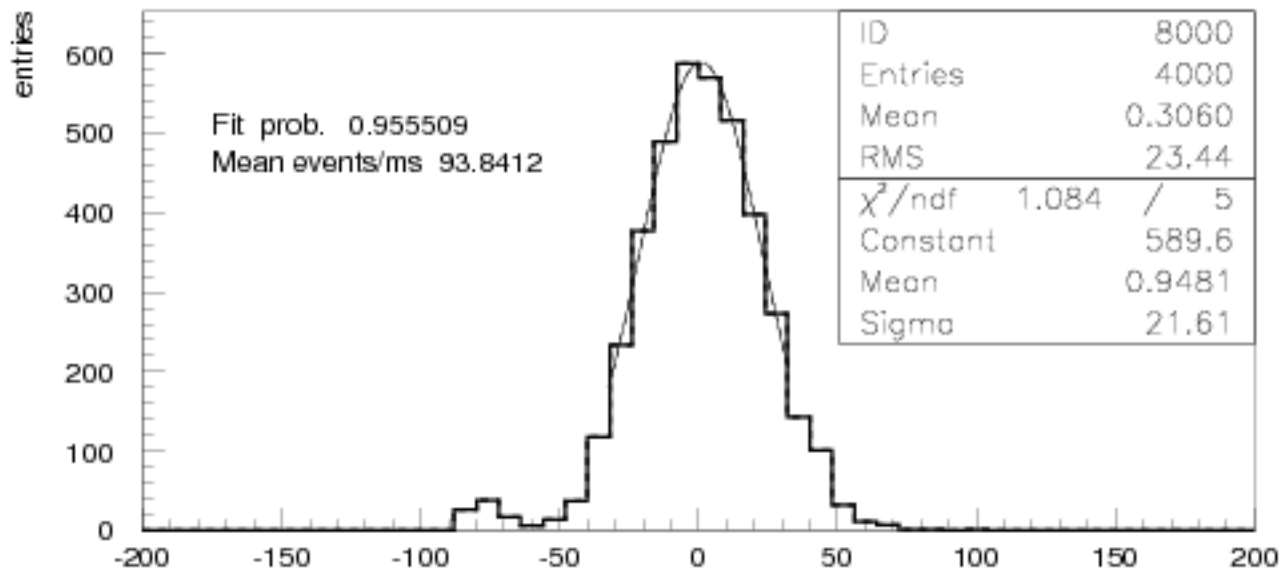


Fig. 3 Spill ( 1.5 - 5.5 sec): distribution of events/ms - mean

Uncorrected folded time (units 25 ns)

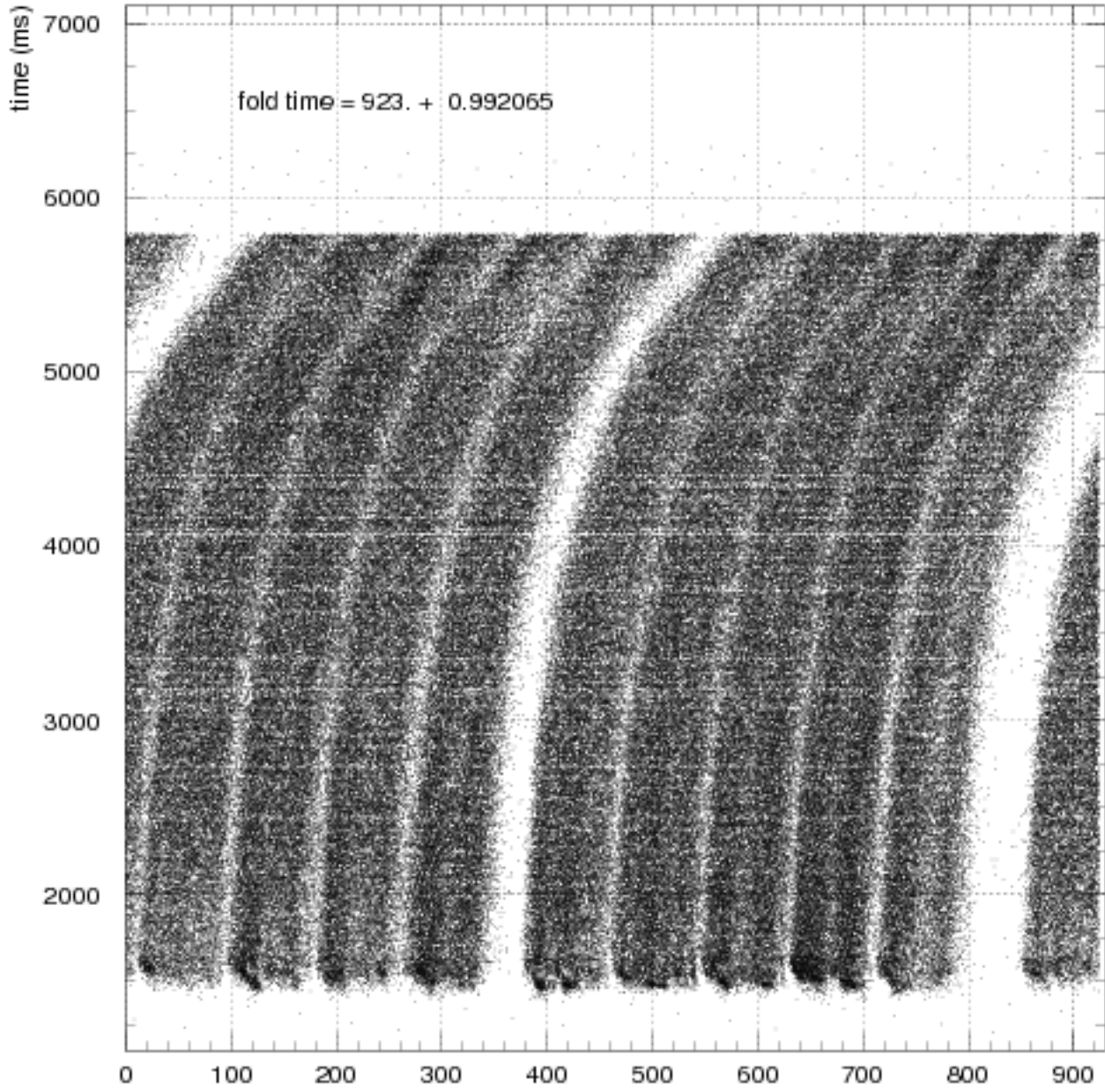


Fig. 4 Folded time/25ns

Cubic-corrected folded time (autocorr.kumac)

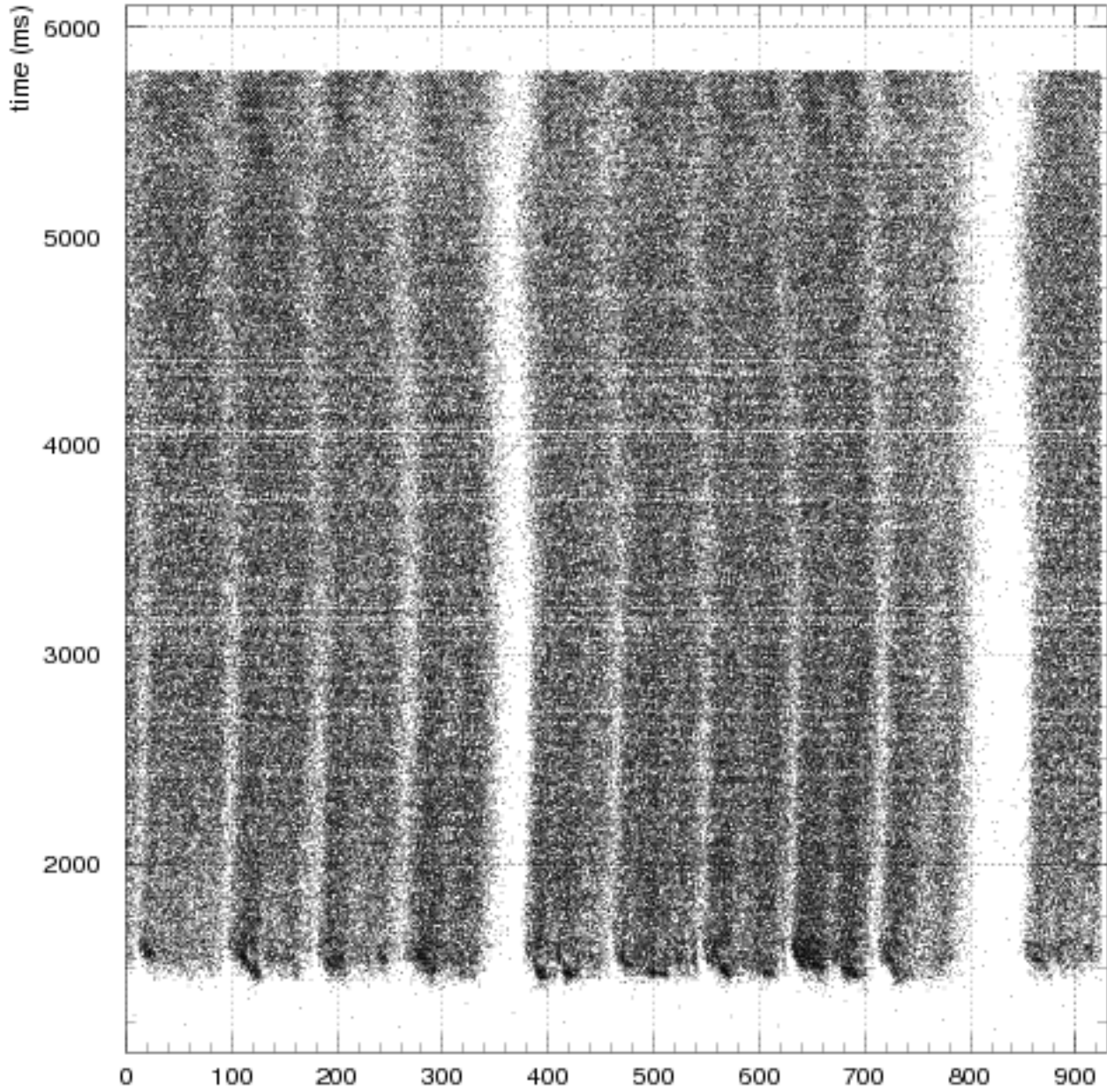


Fig. 5 Corrected folded time/25ns

### Folded Time Distributions

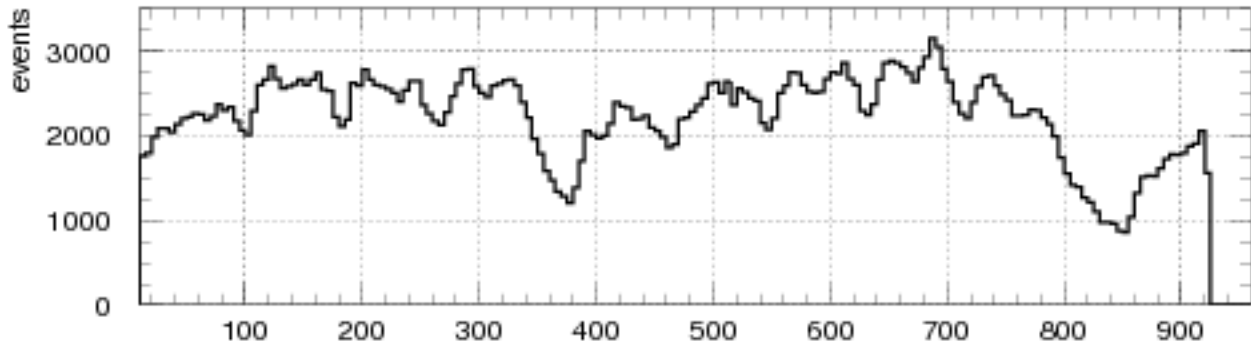


Fig. 6a Uncorrected folded time

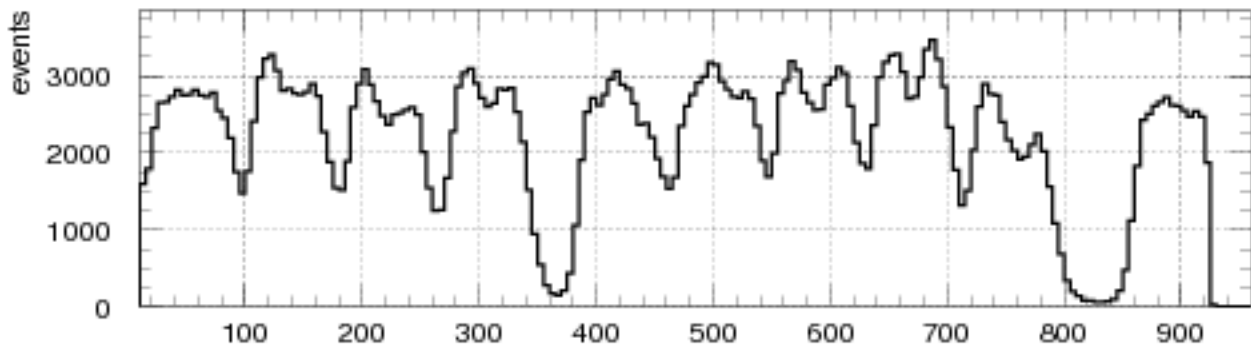


Fig. 6b Corrected folded time

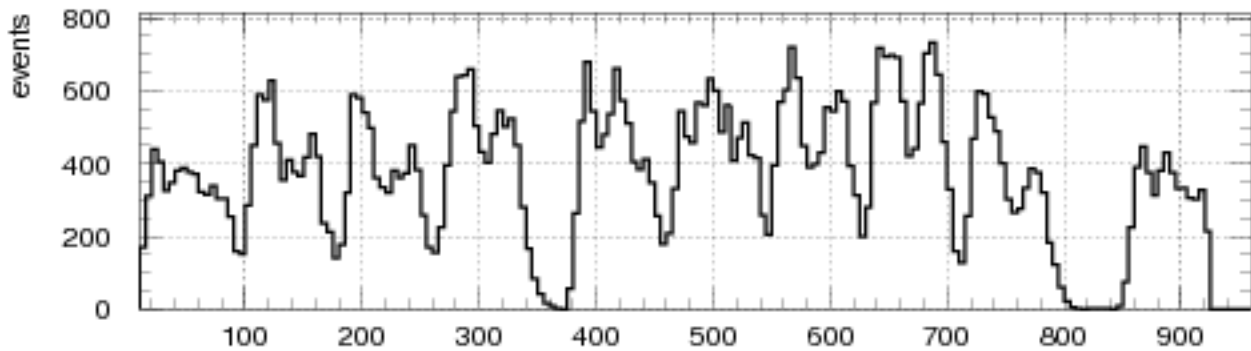


Fig. 6c Uncorrected folded time for 1200-2200 ms spill time

## Folded Time Distributions

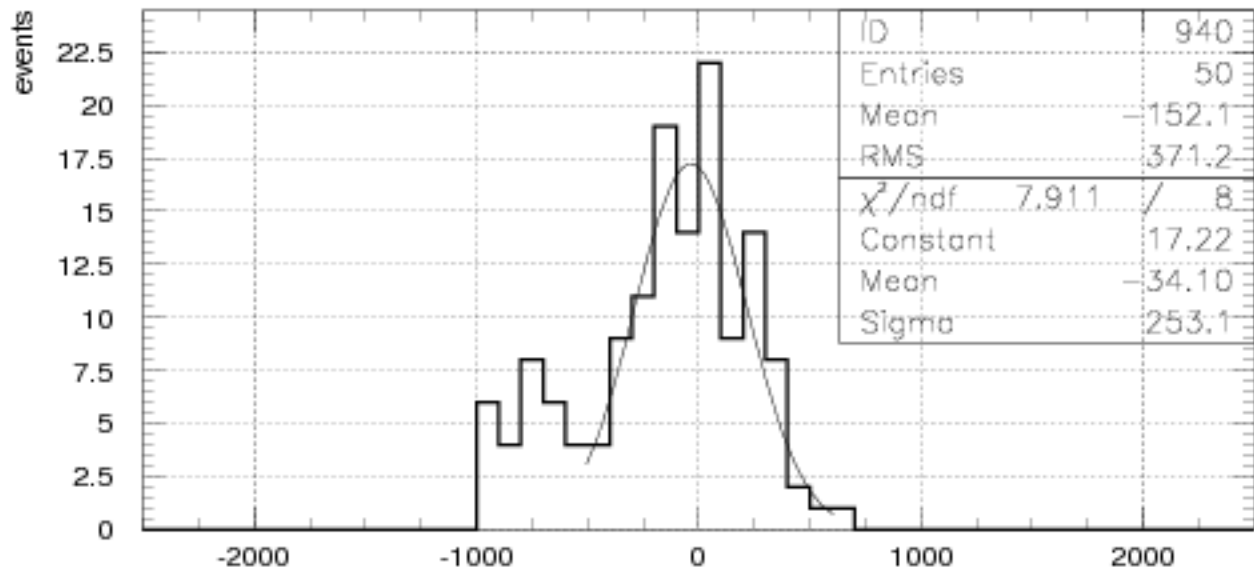


Fig. 6b2 Corrected folded time

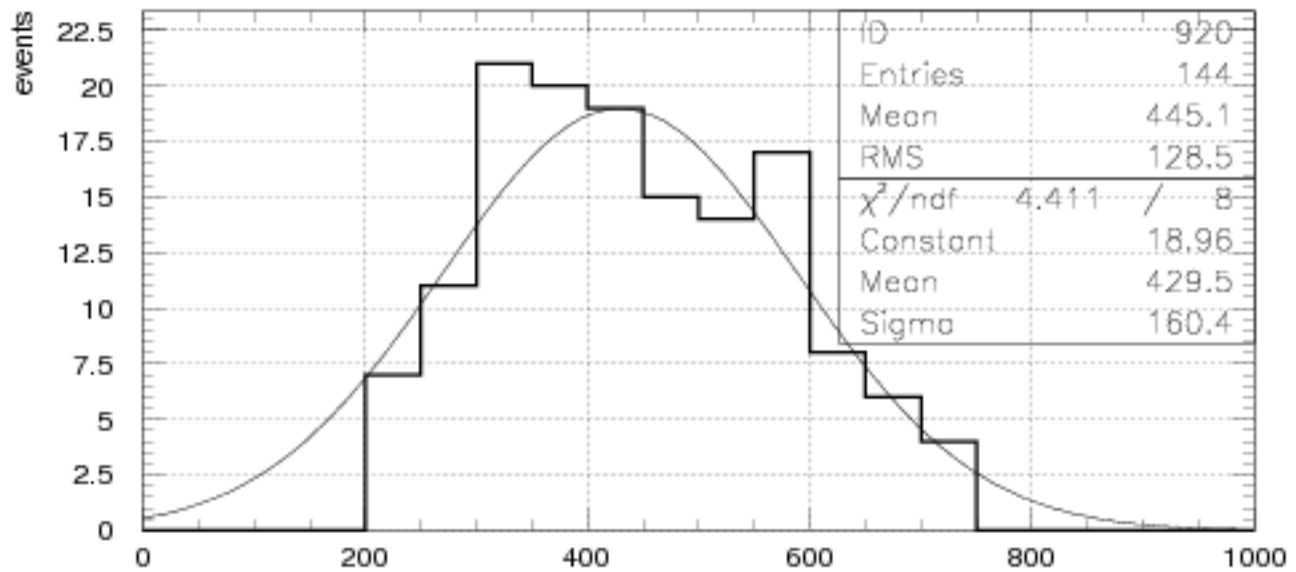


Fig. 6c2 Uncorrected folded time



Sample Autocorrelation Coefficient (1.5 - 5.5 secs) il = 1 iphase =150

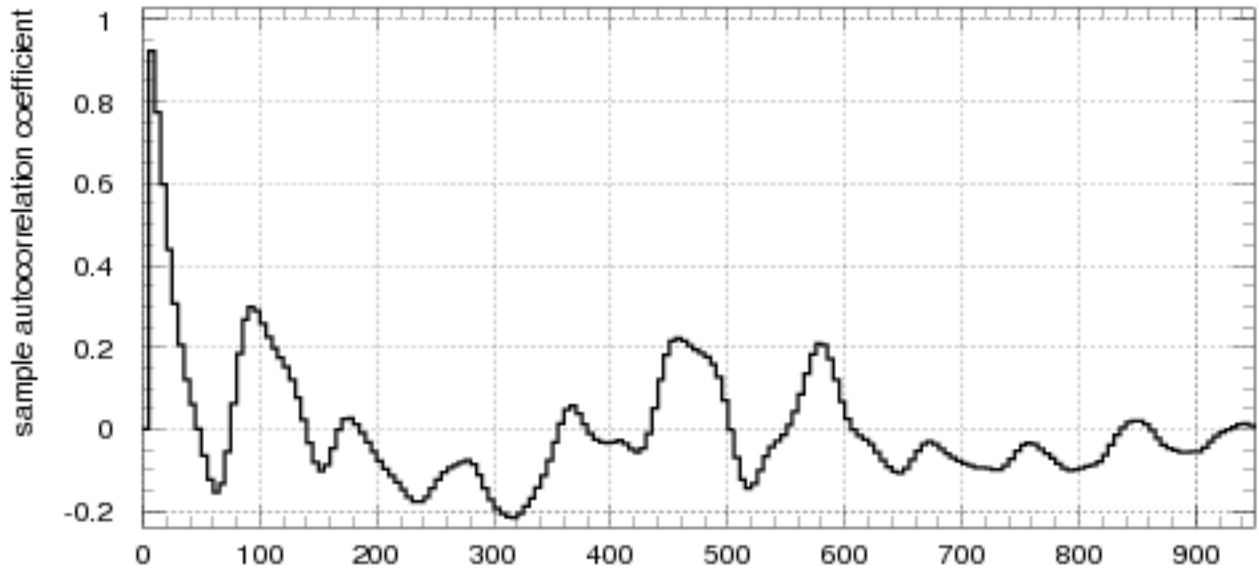


Fig. 7a Time lag (corrected folded time)

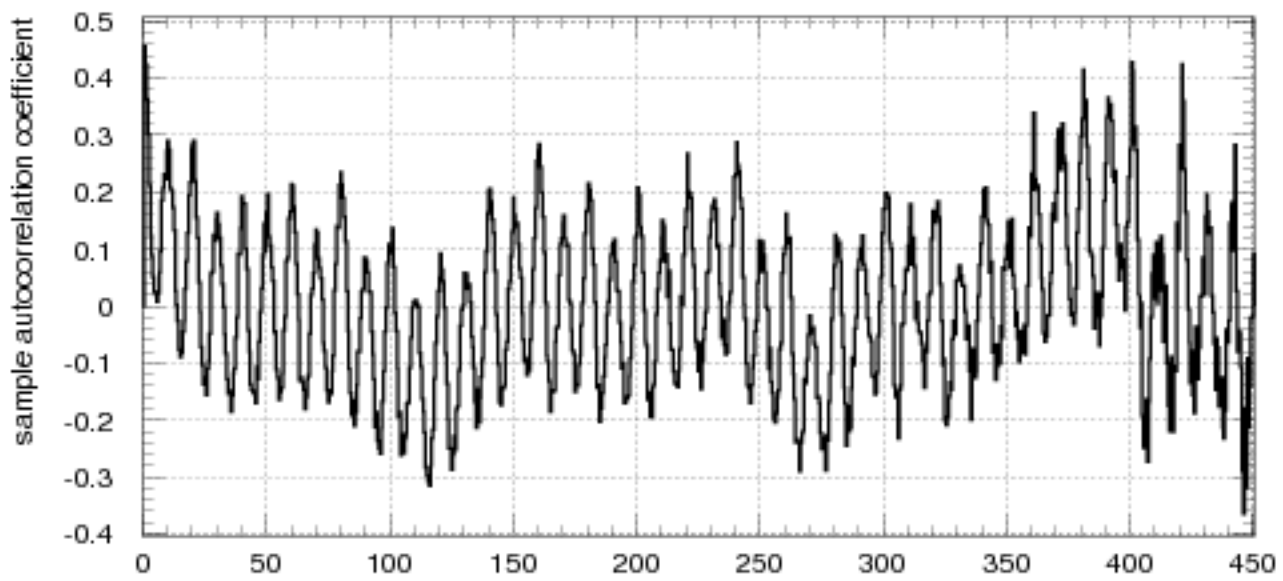


Fig. 7b Time lag (Spill - ms )

### Fourier Transform

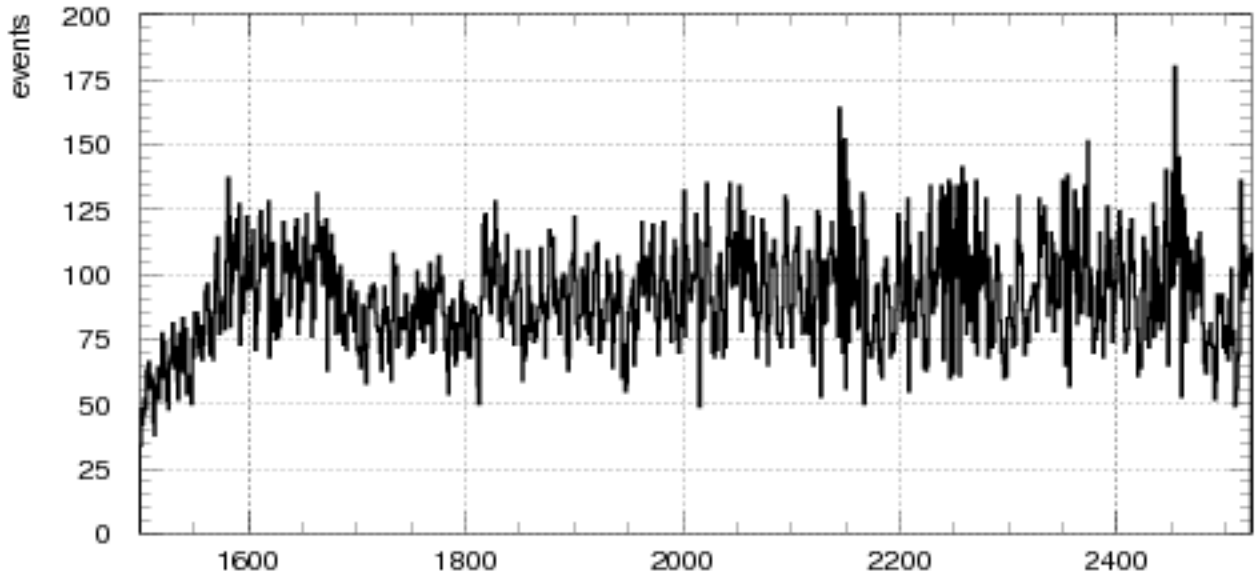


Fig. 8a Time(ms)

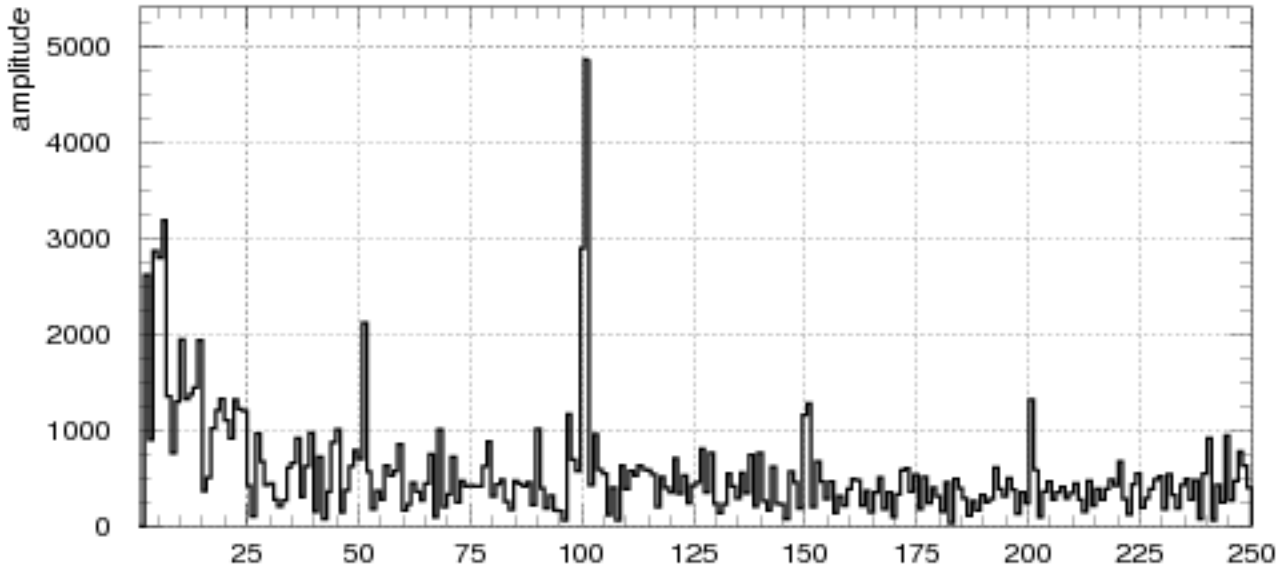


Fig. 8b Frequency(Hz)

SPILL STRUCTURE PLOTS - Spill Time Distribution

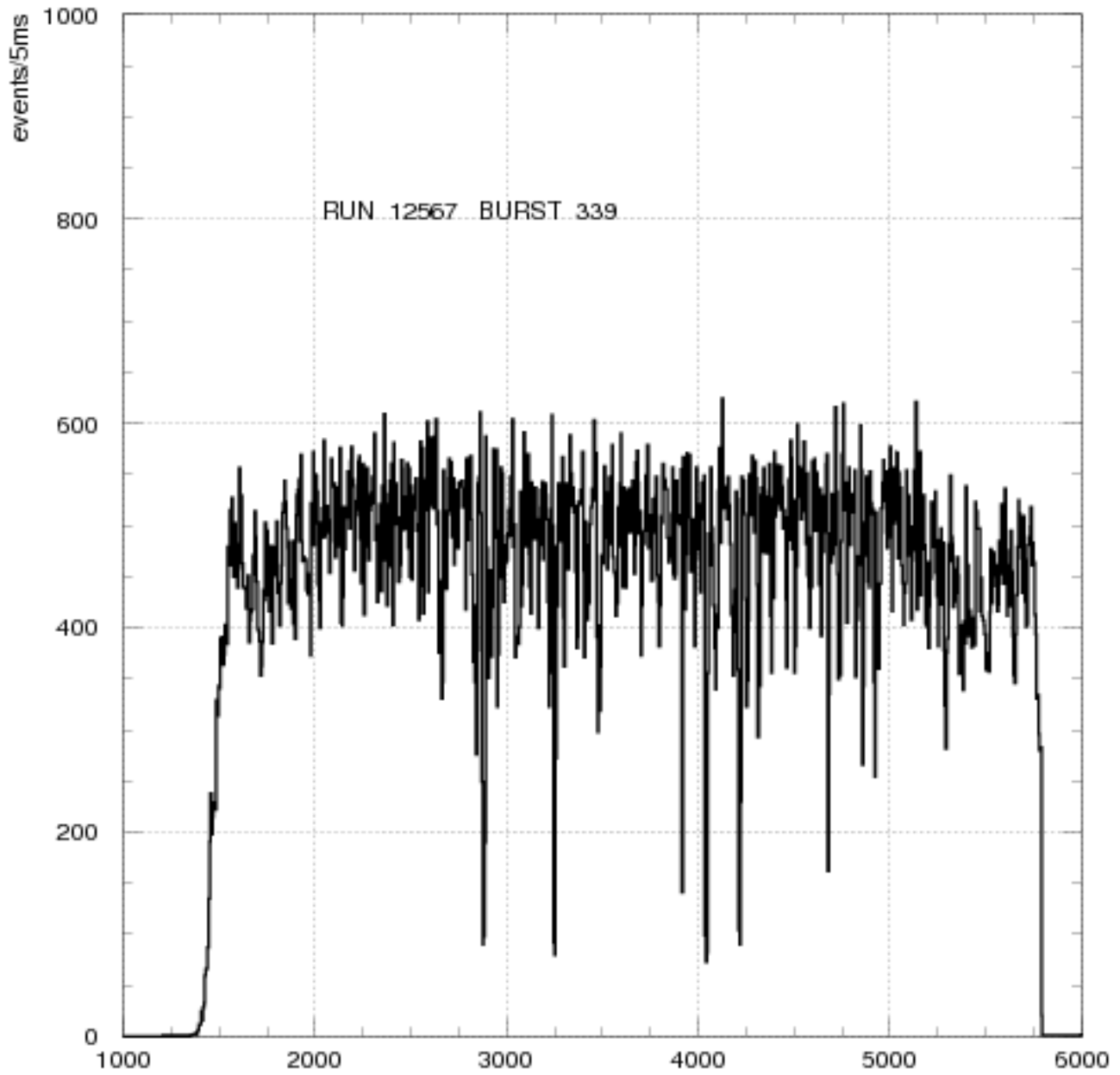


Fig 1. Time (ms)

Spill distribution

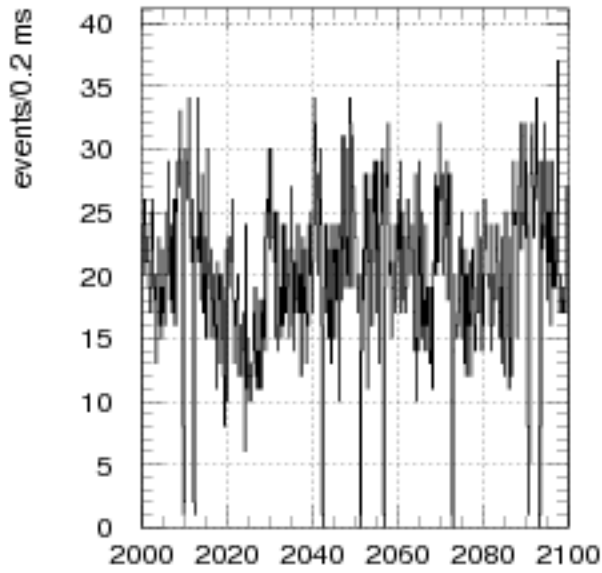


Fig. 2a spill ms

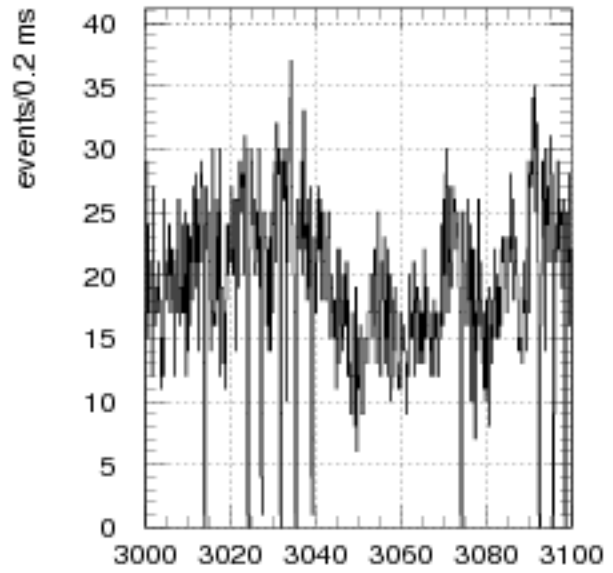


Fig. 2b spill ms

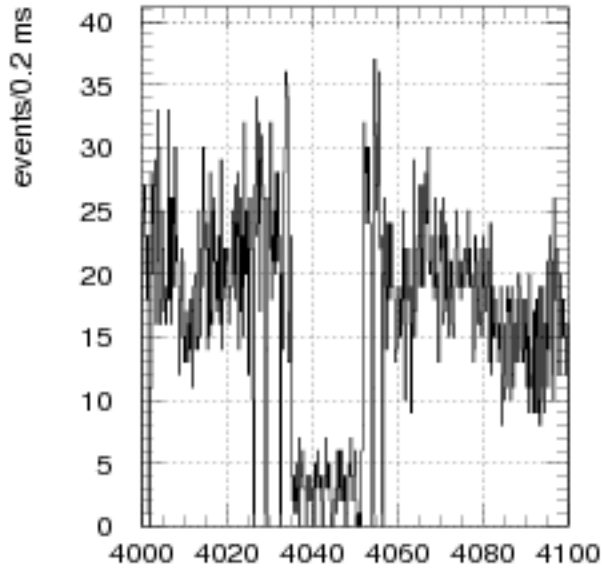


Fig. 2c spill ms

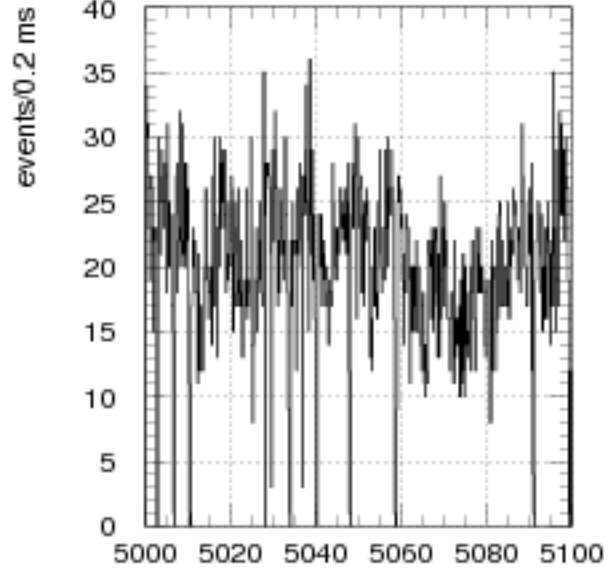


Fig 2d spill ms

Spill distribution

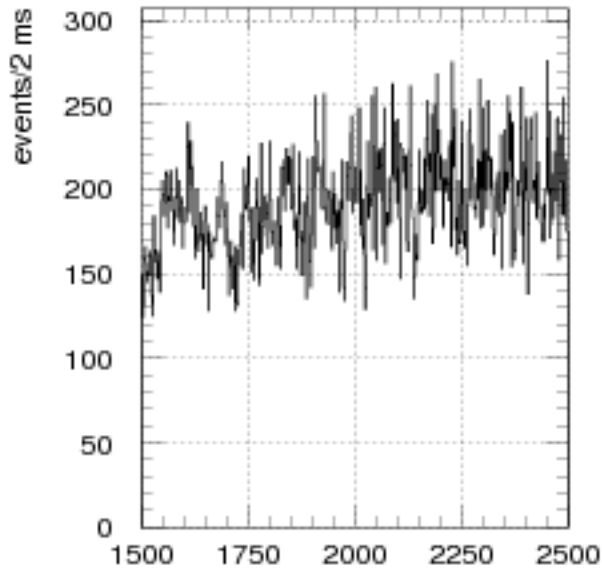


Fig. 2e spill ms

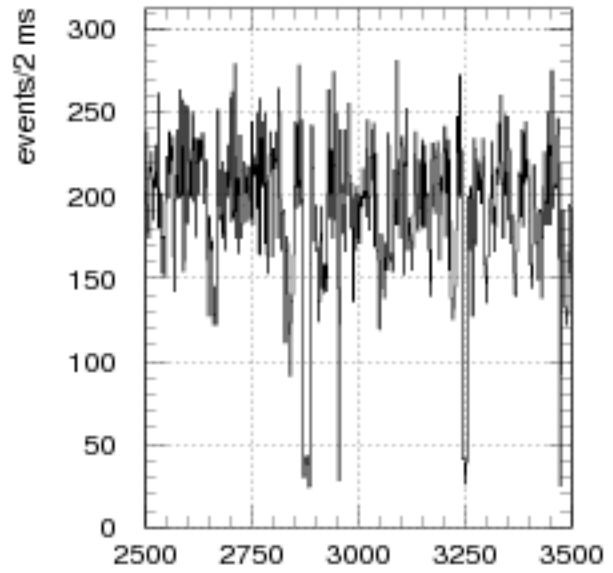


Fig. 2f spill ms

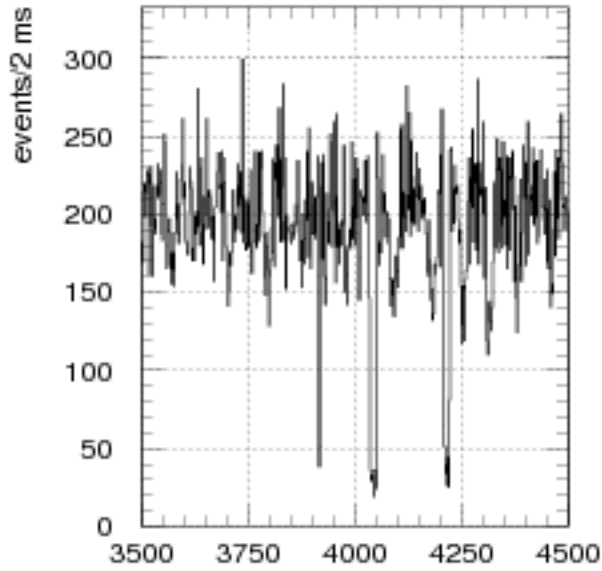


Fig. 2g spill ms

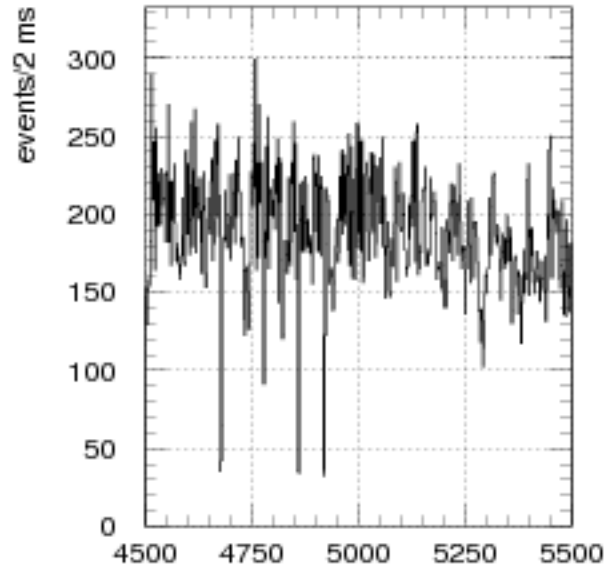


Fig. 2h spill ms

## Spill statistics/ms

RUN 12567 BURST 339

Mean	95.3512	RMS	22.9998
Skewness	-0.588053	+/-	0.0387298
Kurtosis	4.69031	+/-	0.0774597
RMS/sqrt(Mean)	2.35538		
Range/RMS	7.43486		

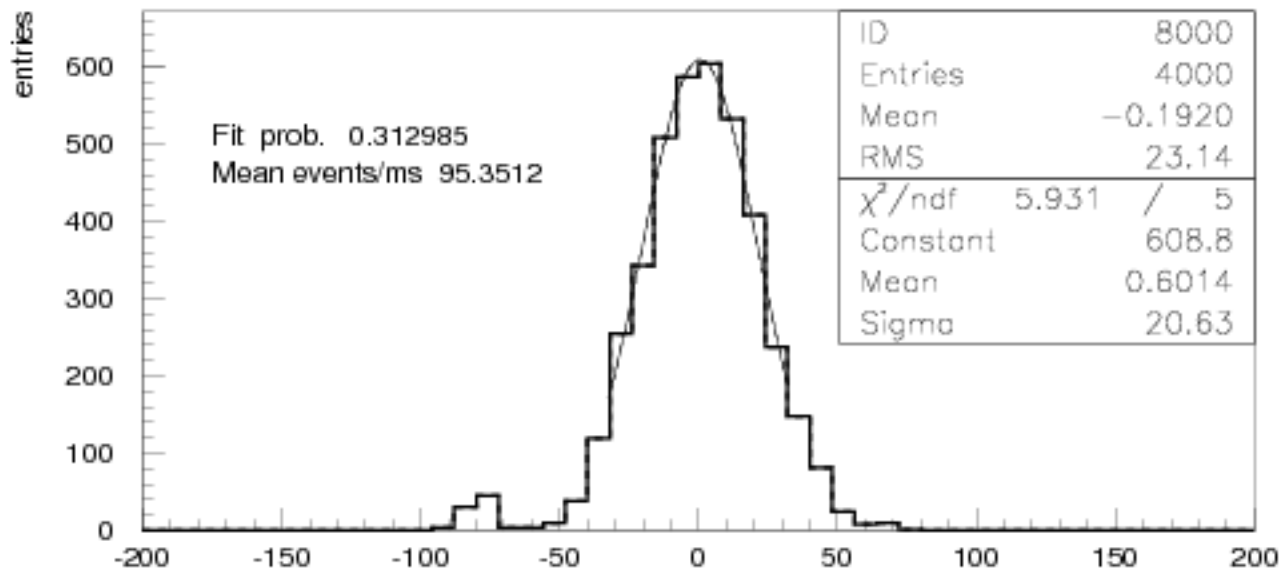


Fig. 3 Spill ( 1.5 - 5.5 sec): distribution of events/ms - mean

Uncorrected folded time (units 25 ns)

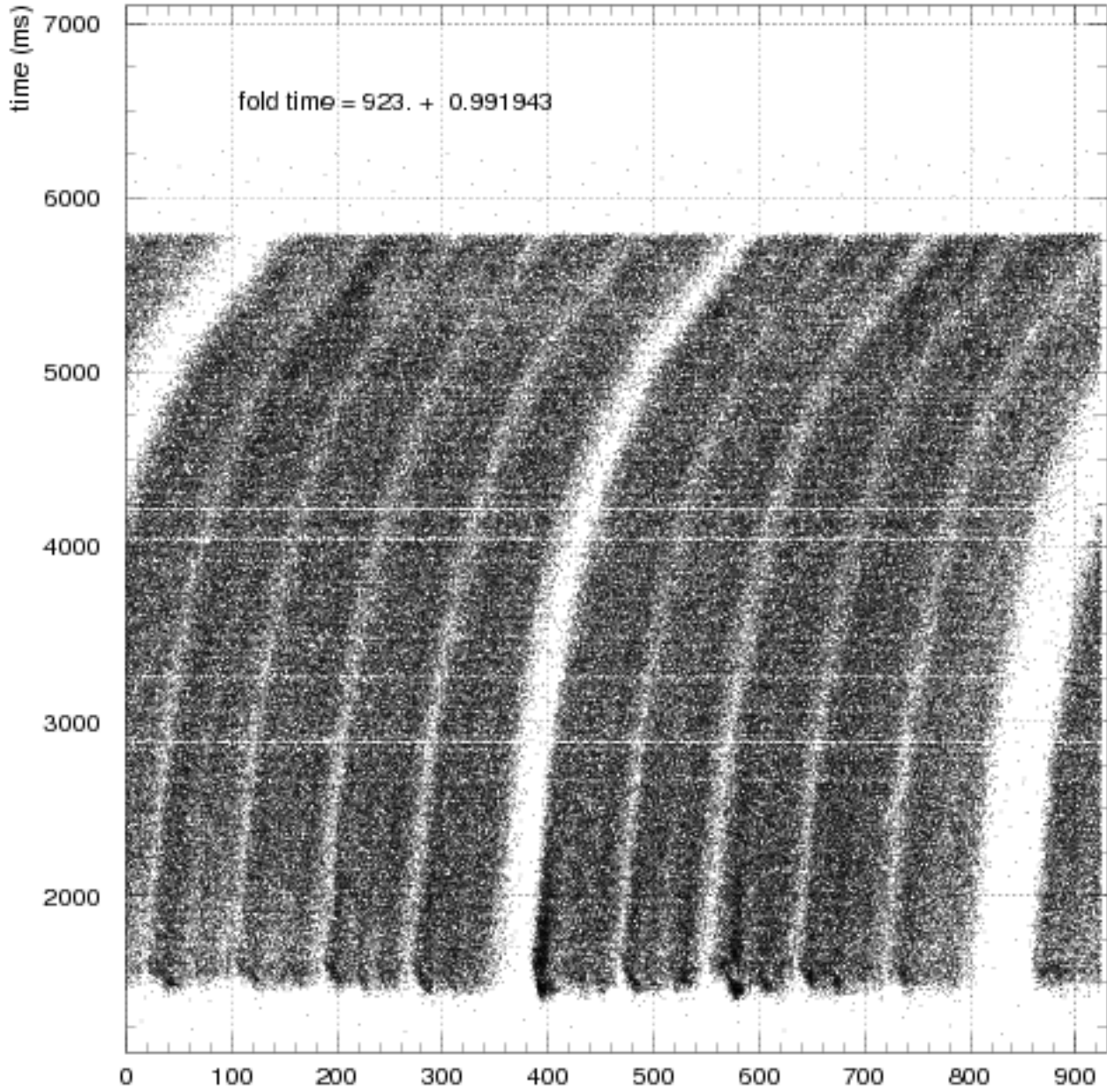


Fig. 4 Folded time/25ns

Cubic-corrected folded time (autocorr.kumac)

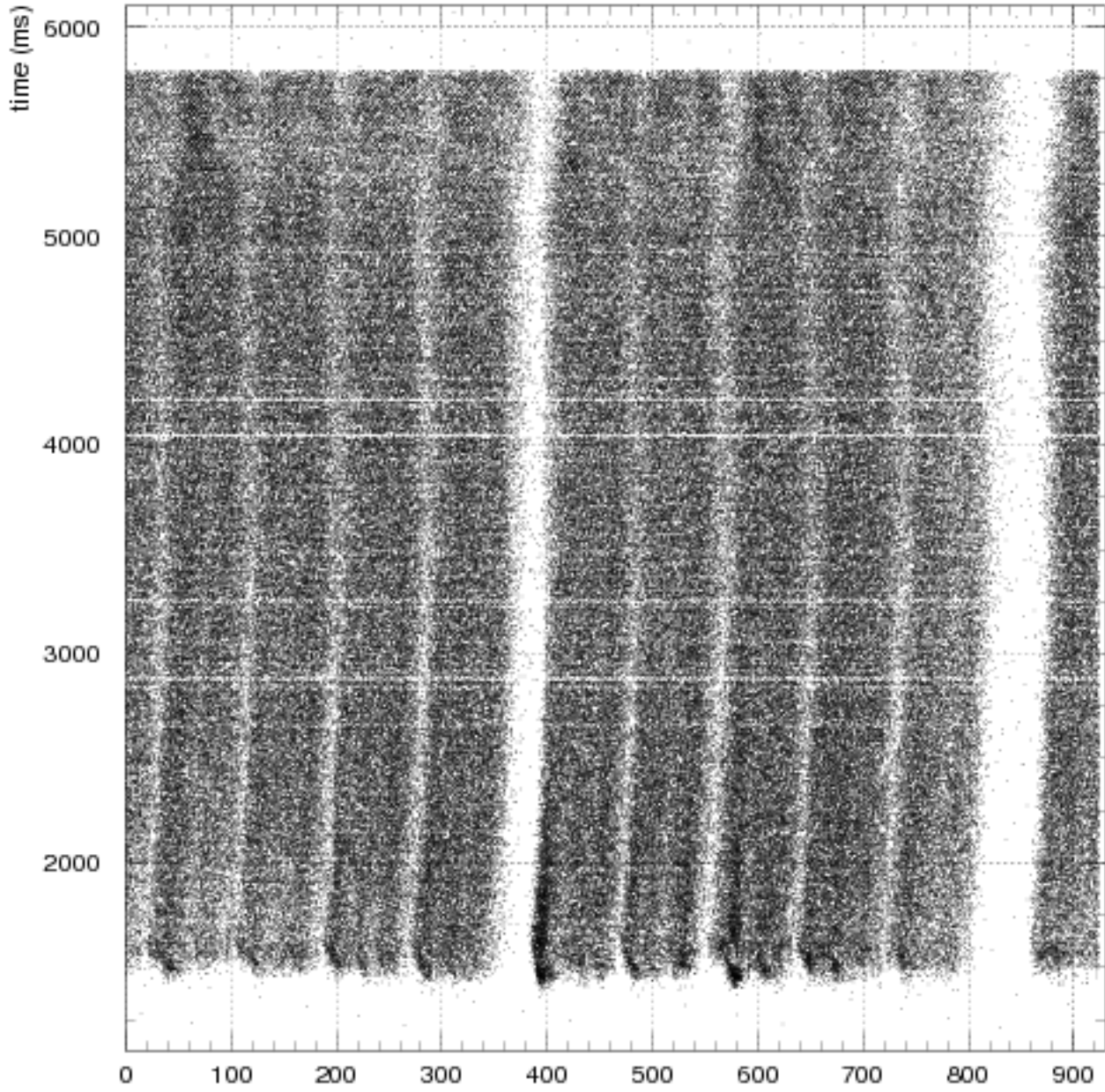


Fig. 5 Corrected folded time/25ns



### Folded Time Distributions

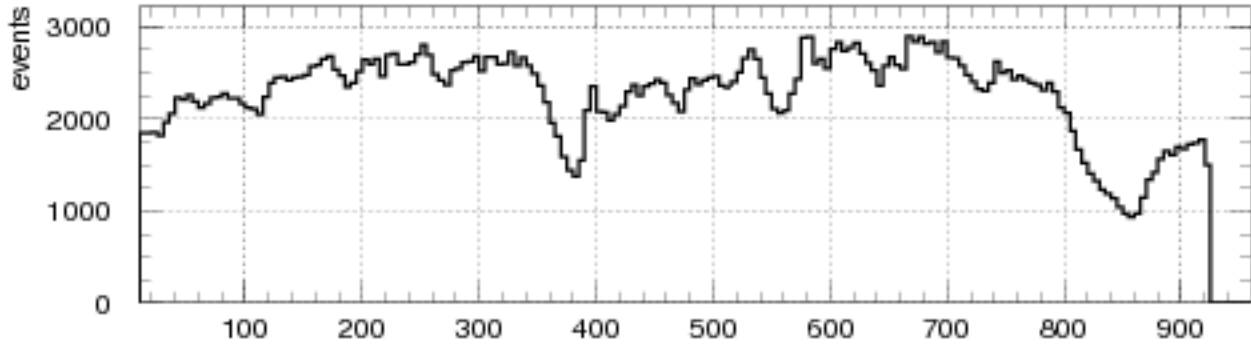


Fig. 6a Uncorrected folded time

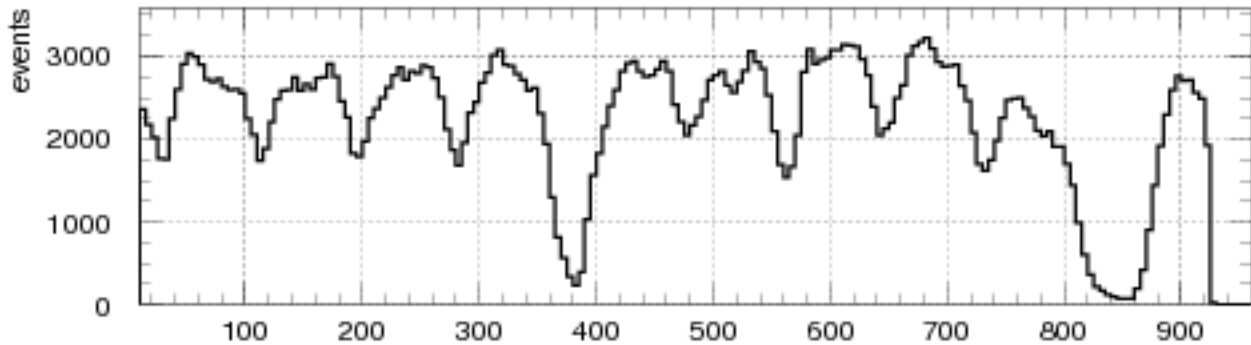


Fig. 6b Corrected folded time

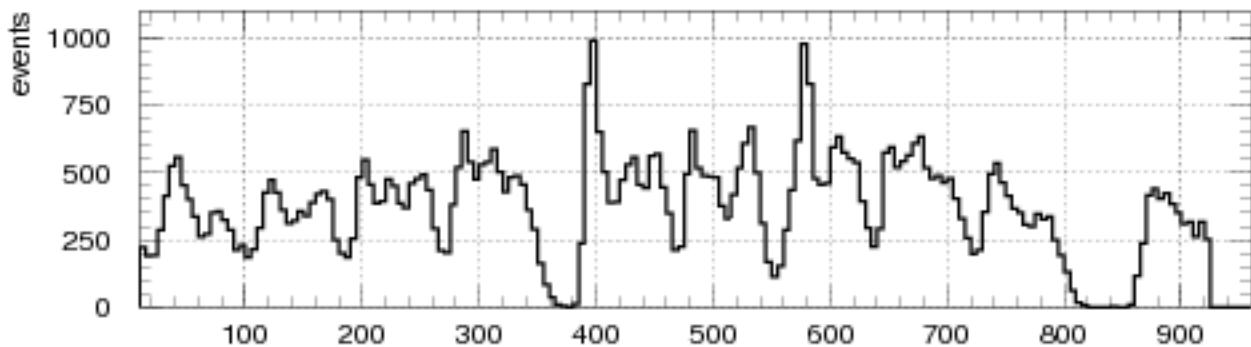


Fig. 6c Uncorrected folded time for 1200-2200 ms spill time

## Folded Time Distributions

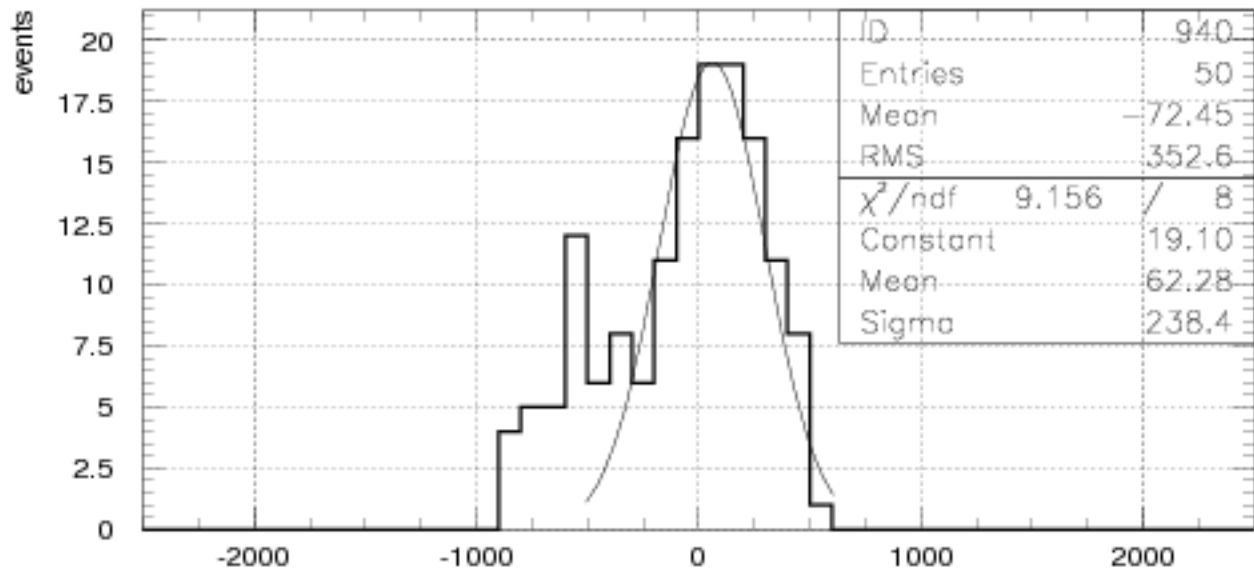


Fig. 6b2 Corrected folded time

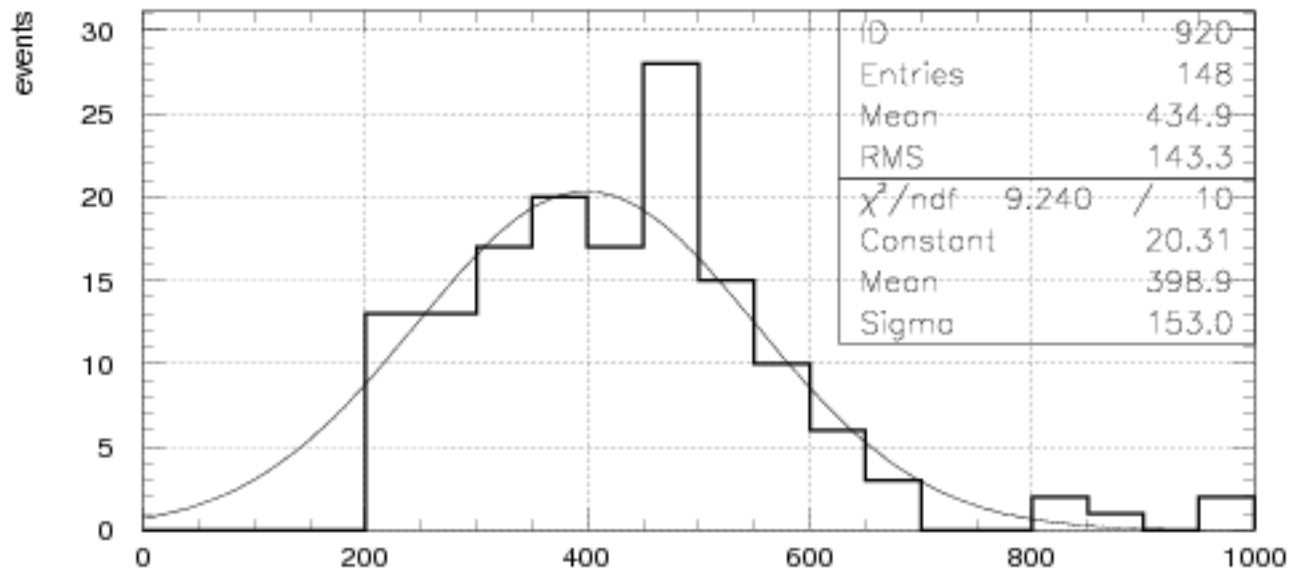


Fig. 6c2 Uncorrected folded time

Sample Autocorrelation Coefficient (1.5 - 5.5 secs) il = 1 iphase =150

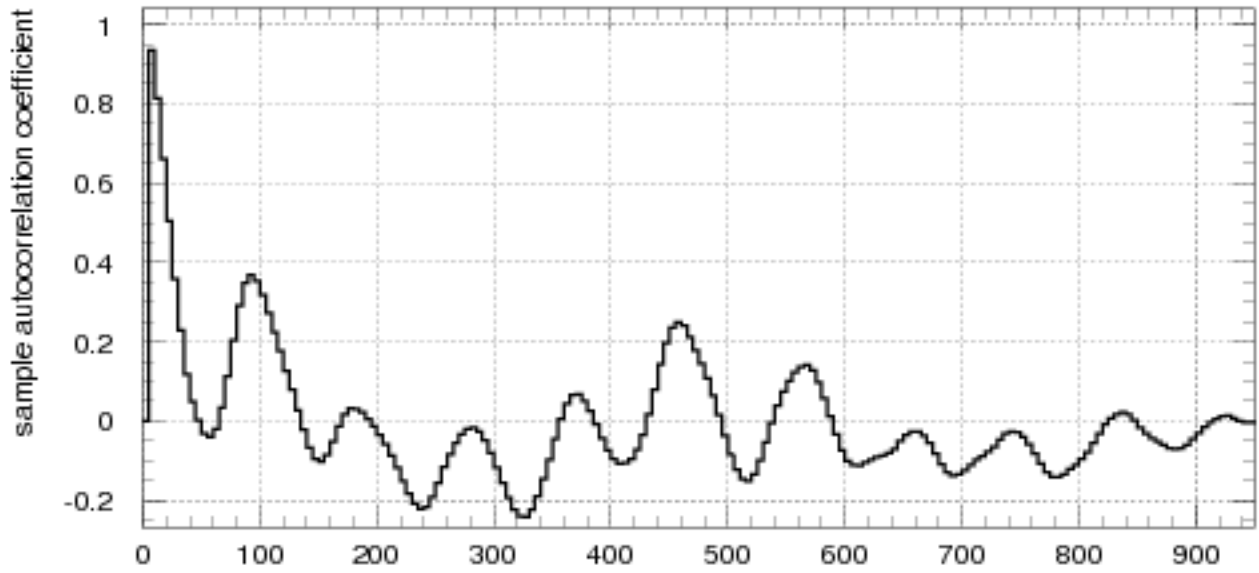


Fig. 7a Time lag (corrected folded time)

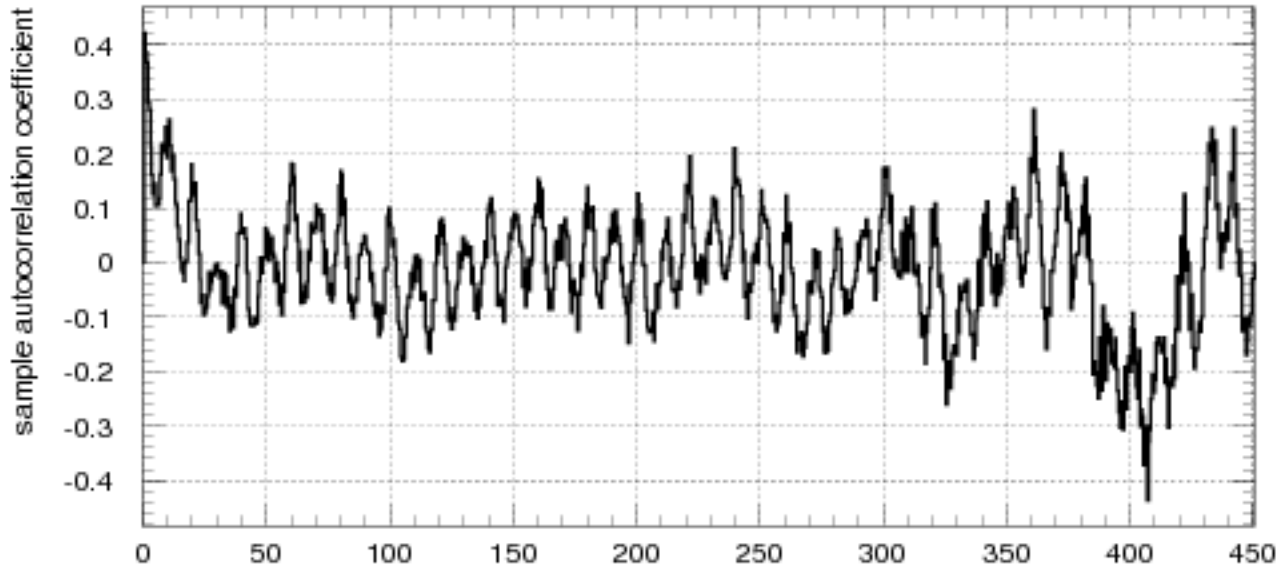


Fig. 7b Time lag (Spill - ms )

### Fourier Transform

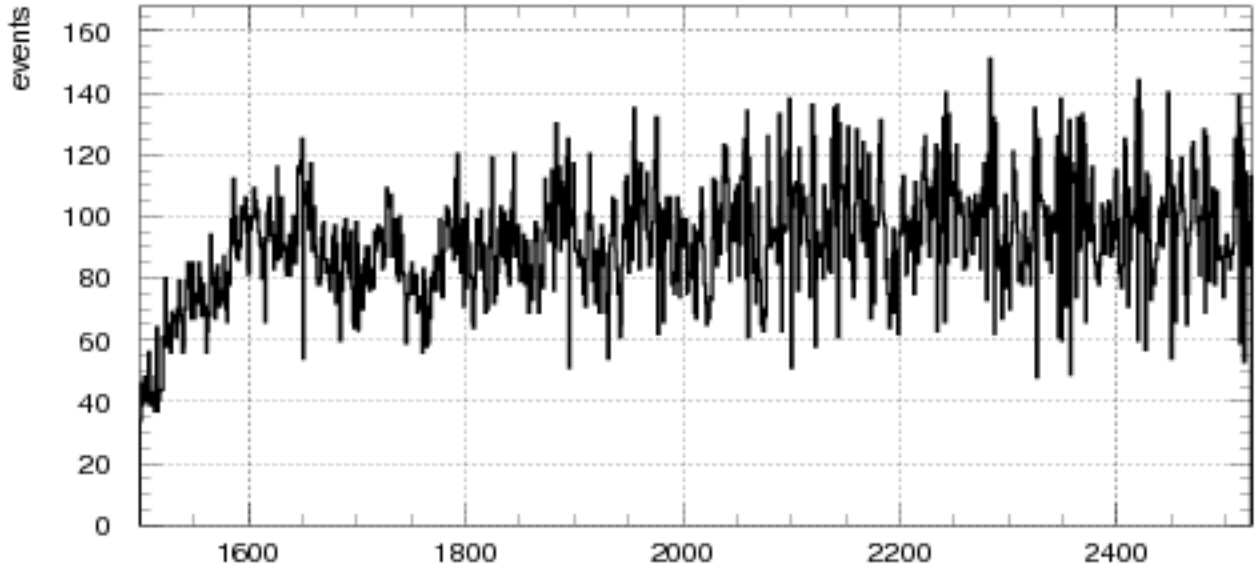


Fig. 8a Time(ms)

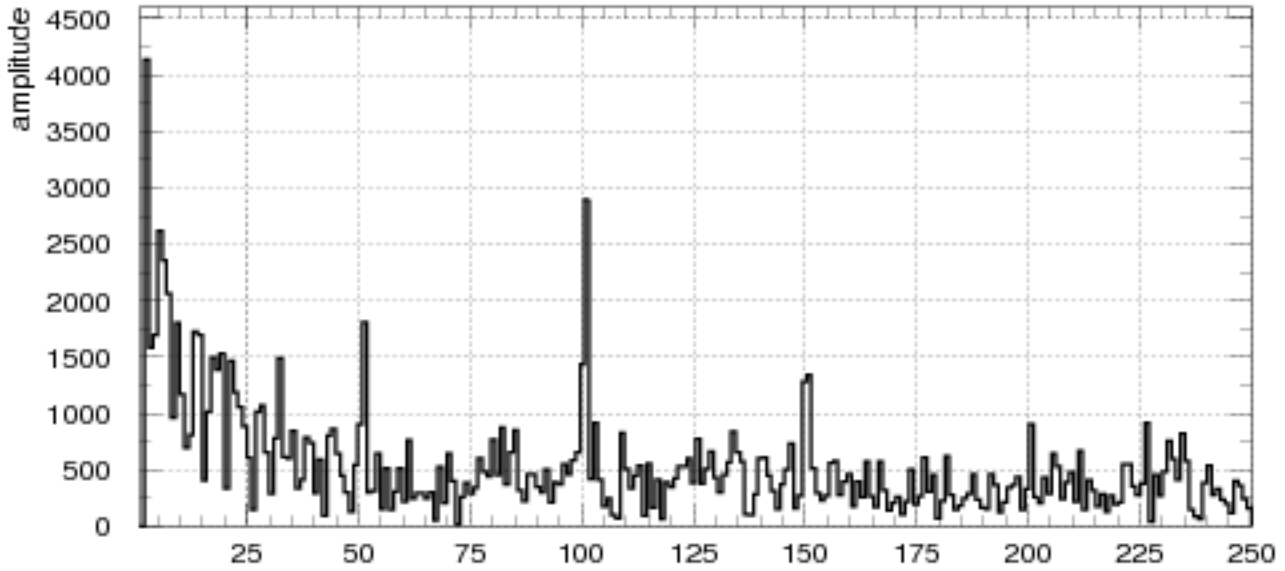


Fig. 8b Frequency(Hz)

SPILL STRUCTURE PLOTS - Spill Time Distribution

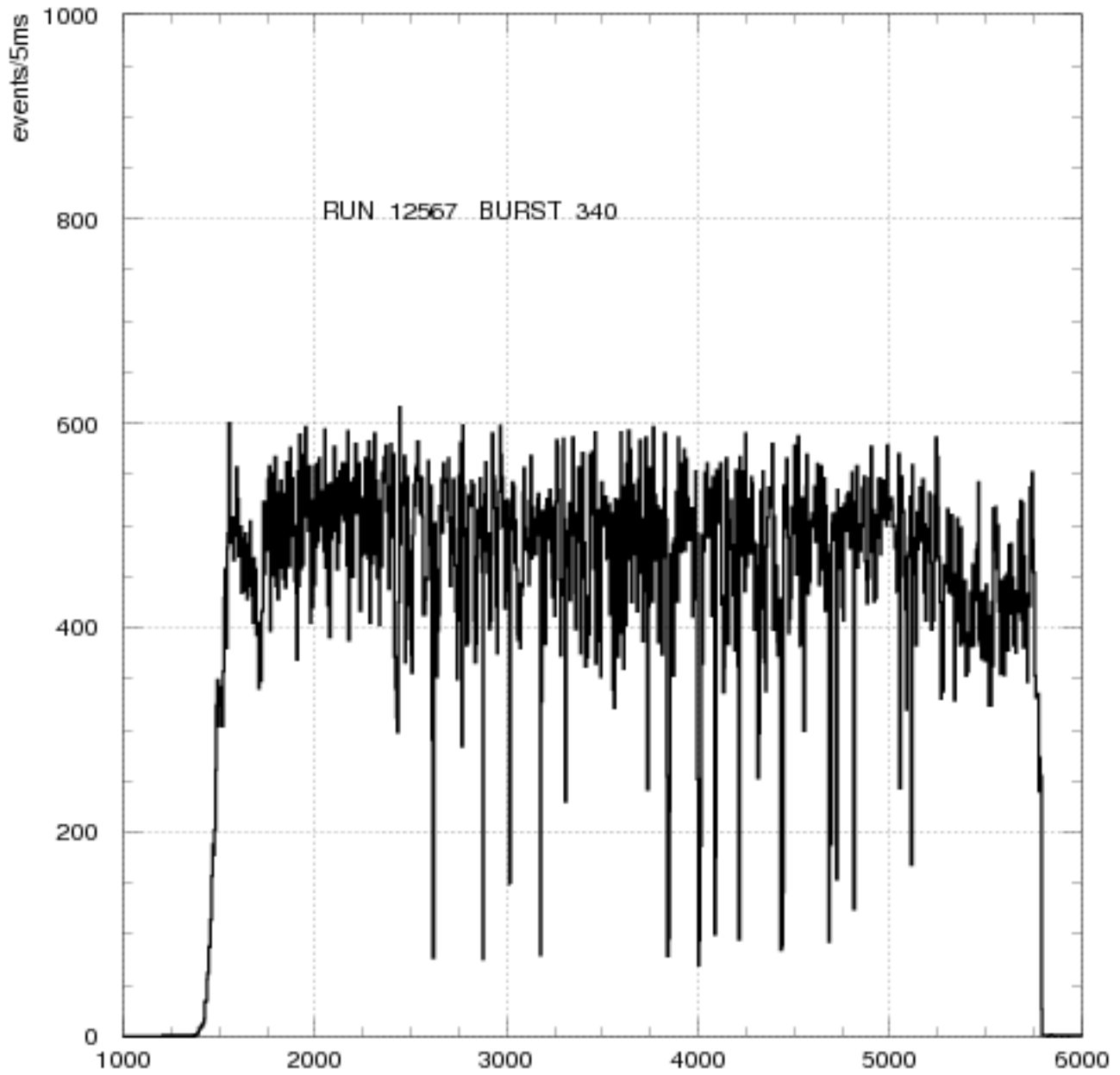


Fig 1. Time (ms)

Spill distribution

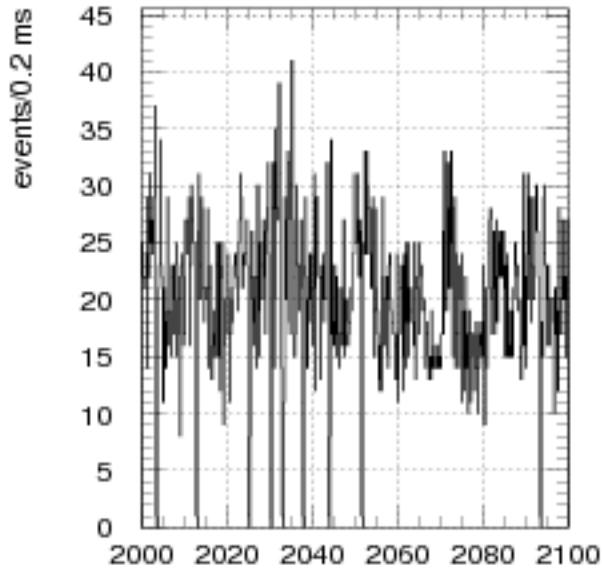


Fig. 2a spill ms

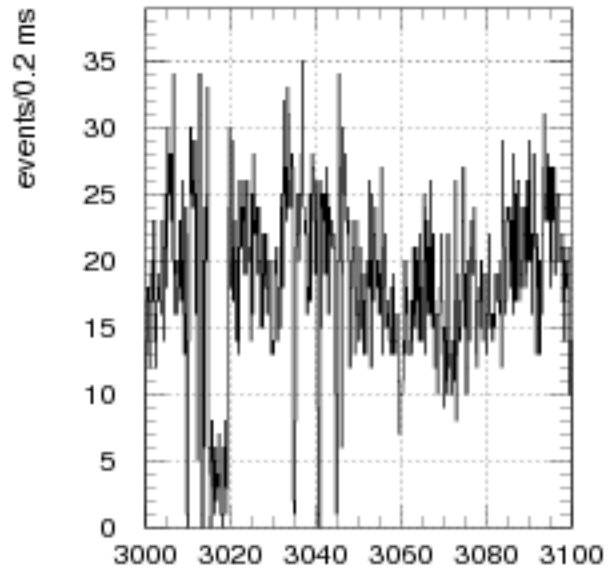


Fig. 2b spill ms

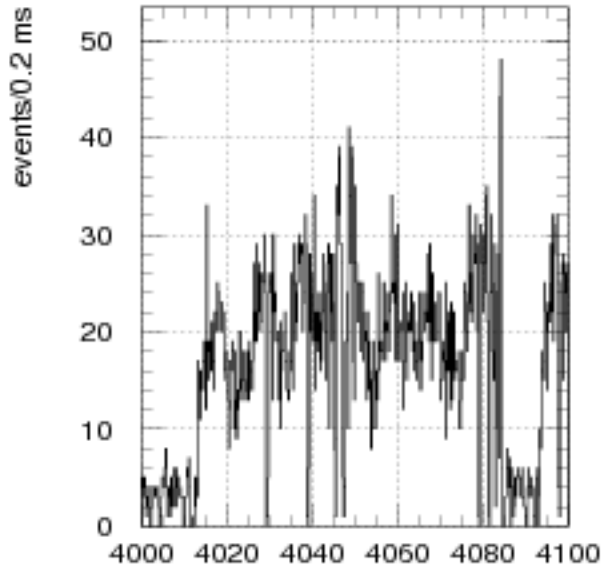


Fig. 2c spill ms

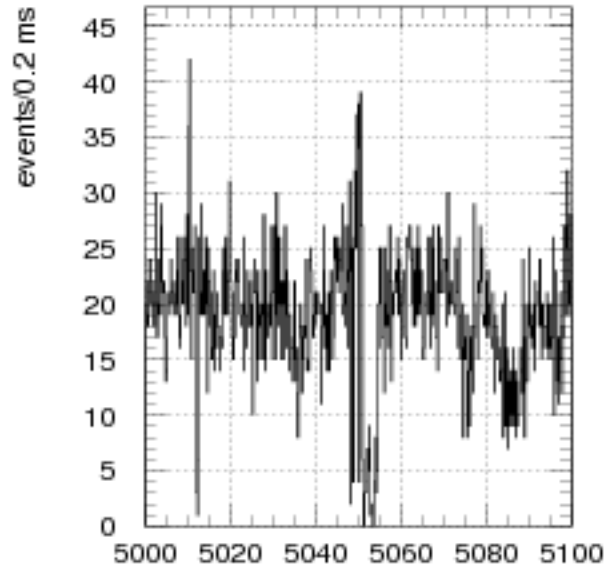


Fig 2d spill ms

Spill distribution

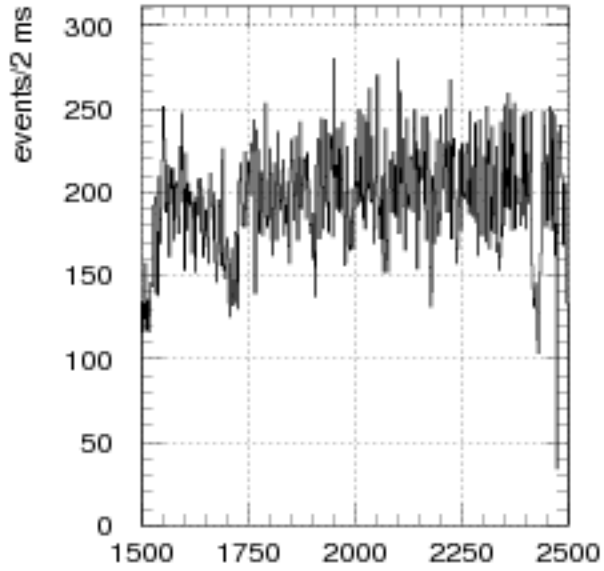


Fig. 2e spill ms

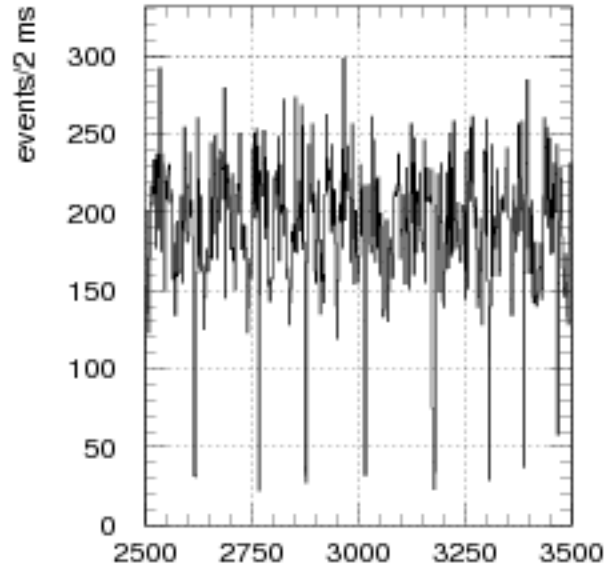


Fig. 2f spill ms

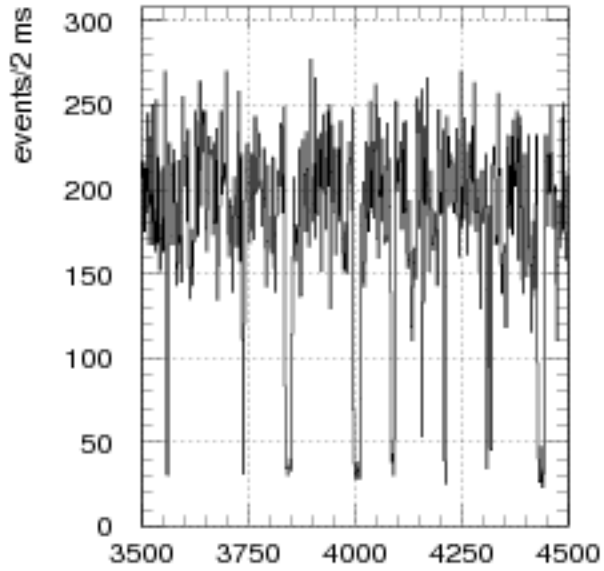


Fig. 2g spill ms

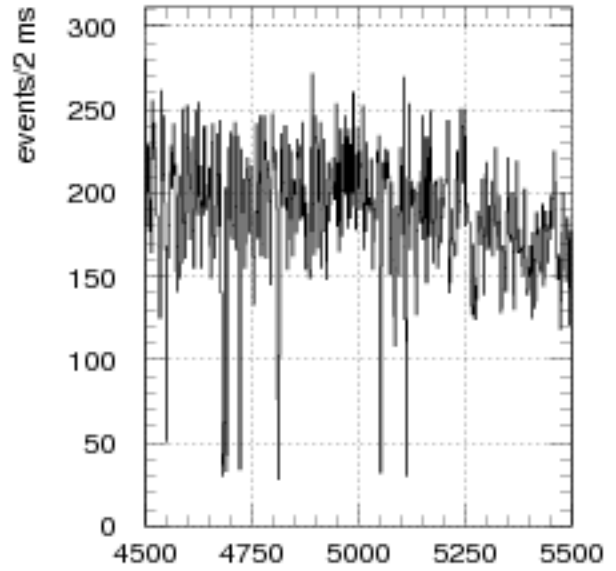


Fig. 2h spill ms

## Spill statistics/ms

RUN 12567 BURST 340

Mean	94.3355	RMS	24.9261
Skewness	-0.802617	+/-	0.0387298
Kurtosis	4.69238	+/-	0.0774597
RMS/sqrt(Mean)	2.56635		
Range/RMS	7.34171		

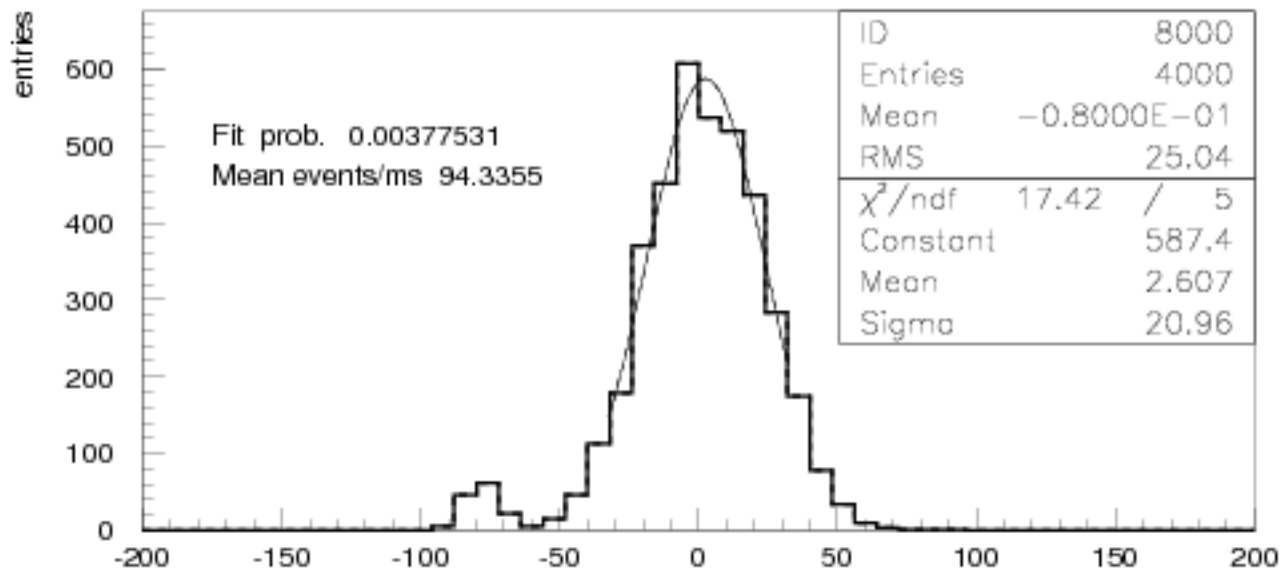


Fig. 3 Spill ( 1.5 - 5.5 sec): distribution of events/ms - mean



Uncorrected folded time (units 25 ns)

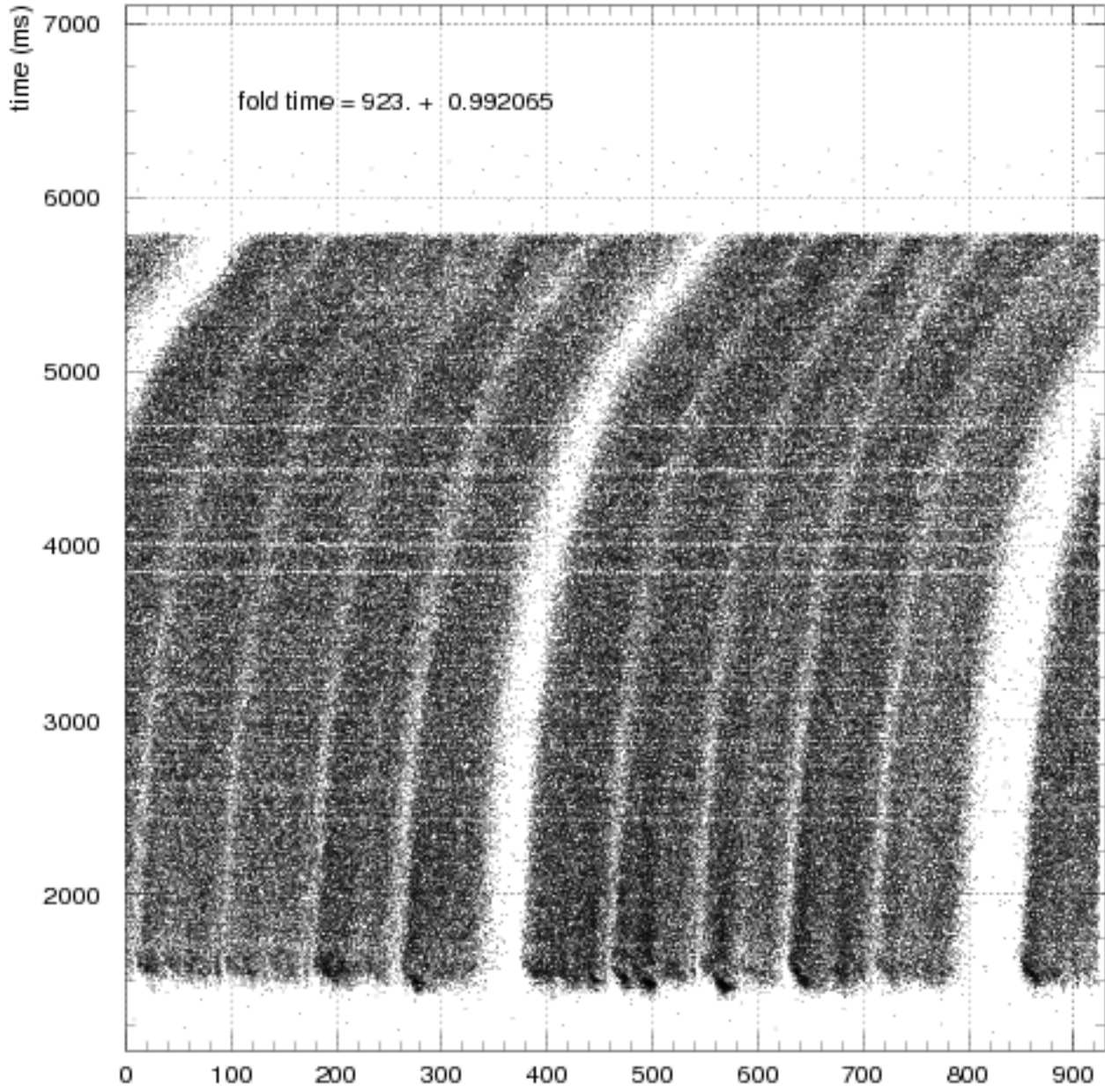


Fig. 4 Folded time/25ns

Cubic-corrected folded time (autocorr.kumac)

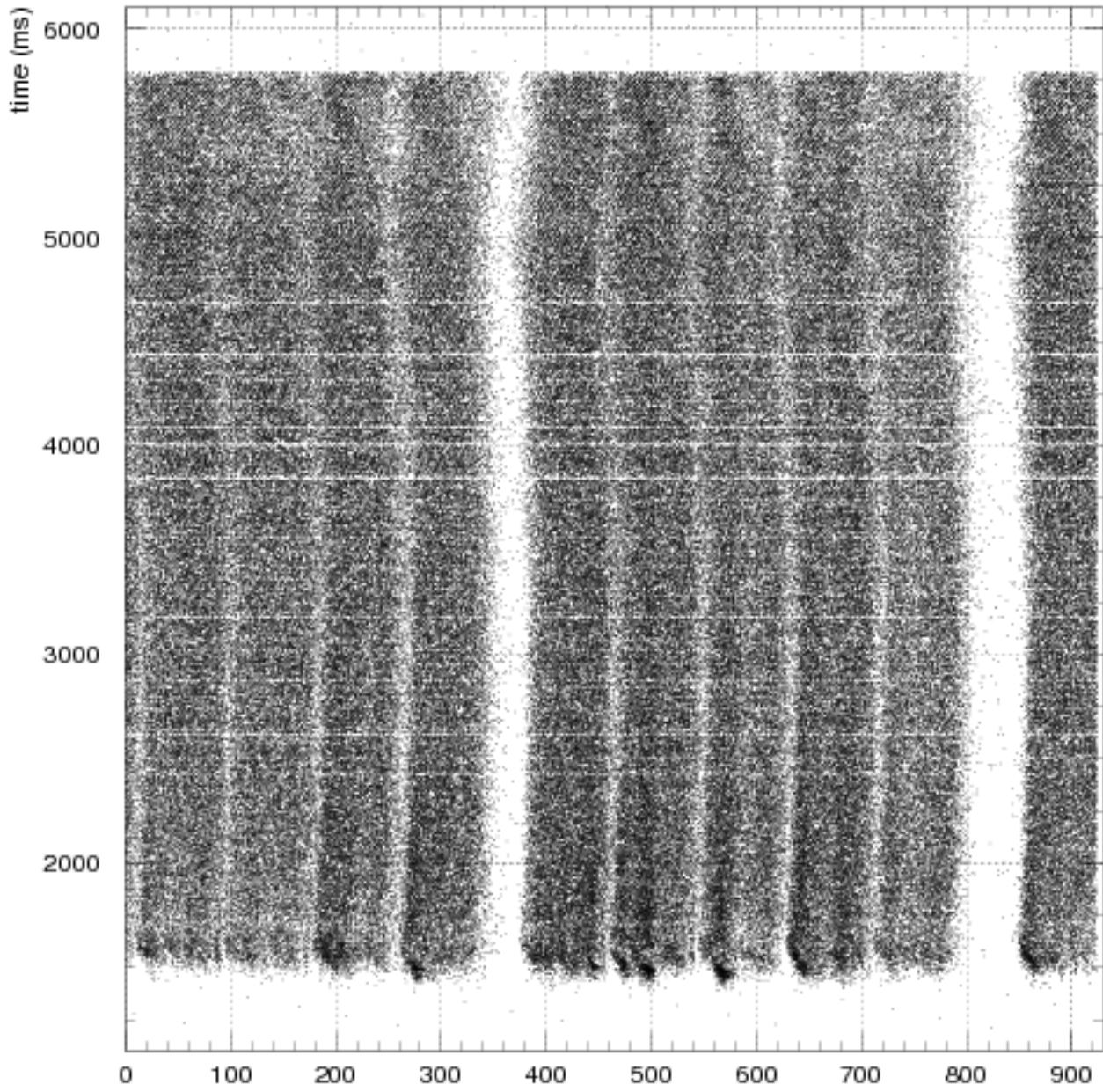


Fig. 5 Corrected folded time/25ns

## Folded Time Distributions

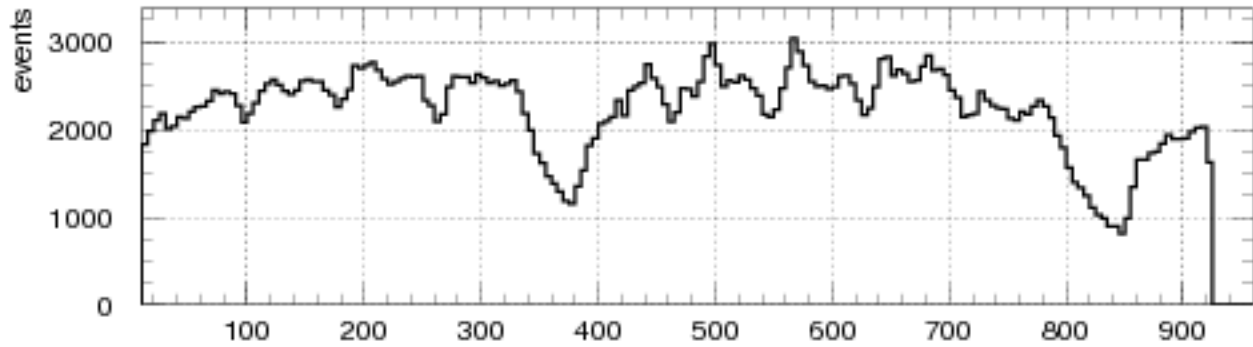


Fig. 6a Uncorrected folded time

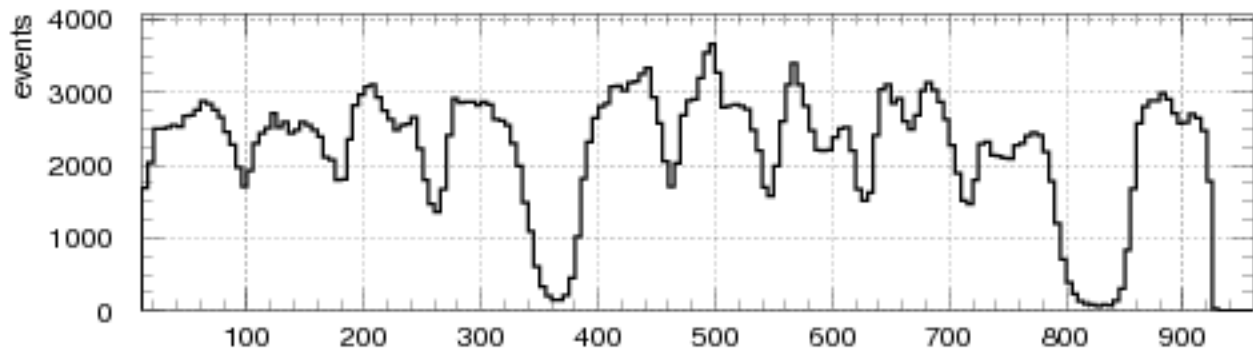


Fig. 6b Corrected folded time

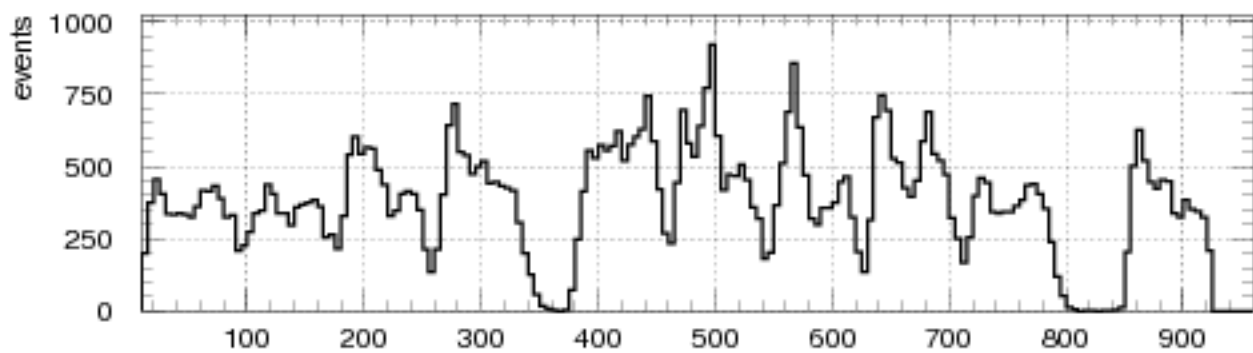


Fig. 6c Uncorrected folded time for 1200-2200 ms spill time

## Folded Time Distributions

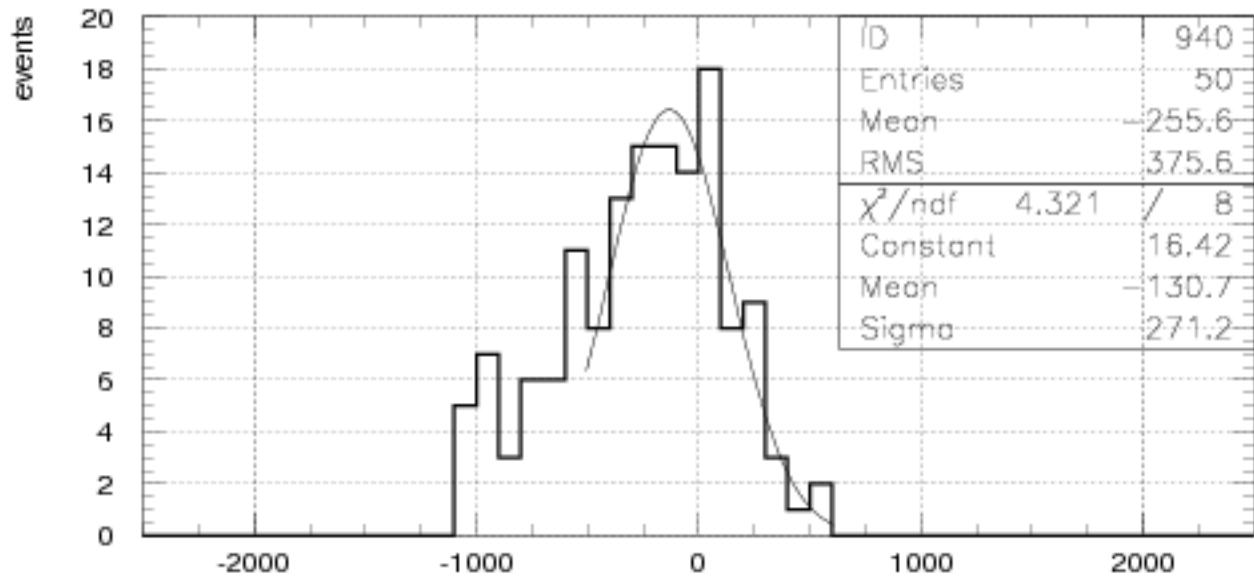


Fig. 6b2 Corrected folded time

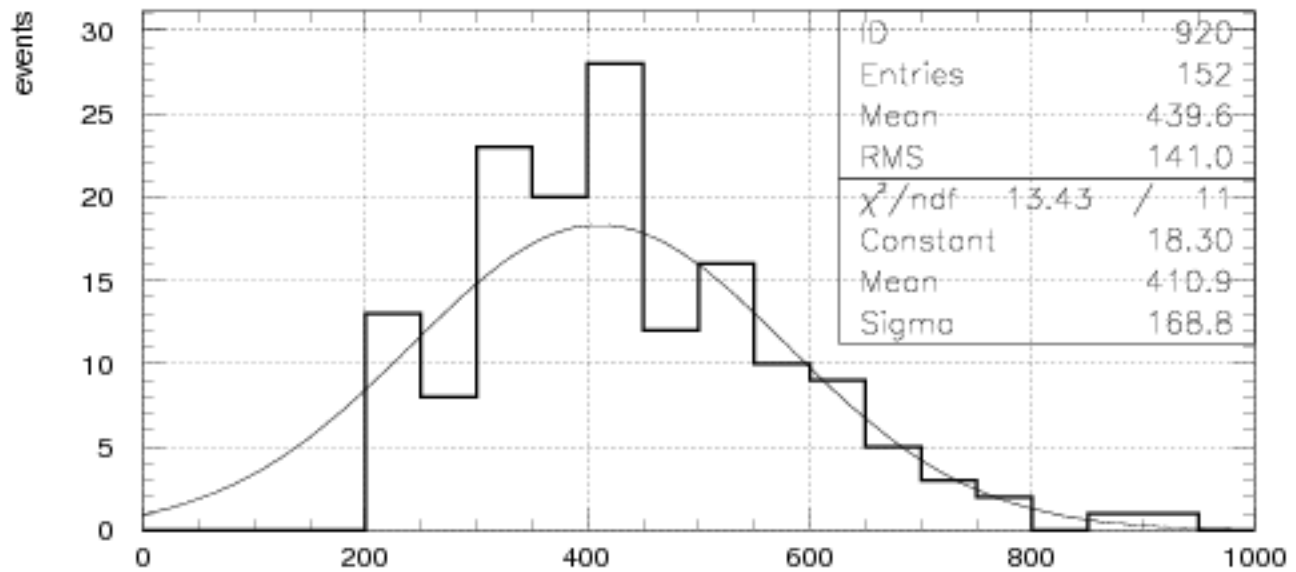


Fig. 6c2 Uncorrected folded time

Sample Autocorrelation Coefficient (1.5 - 5.5 secs) il = 1 iphase =150

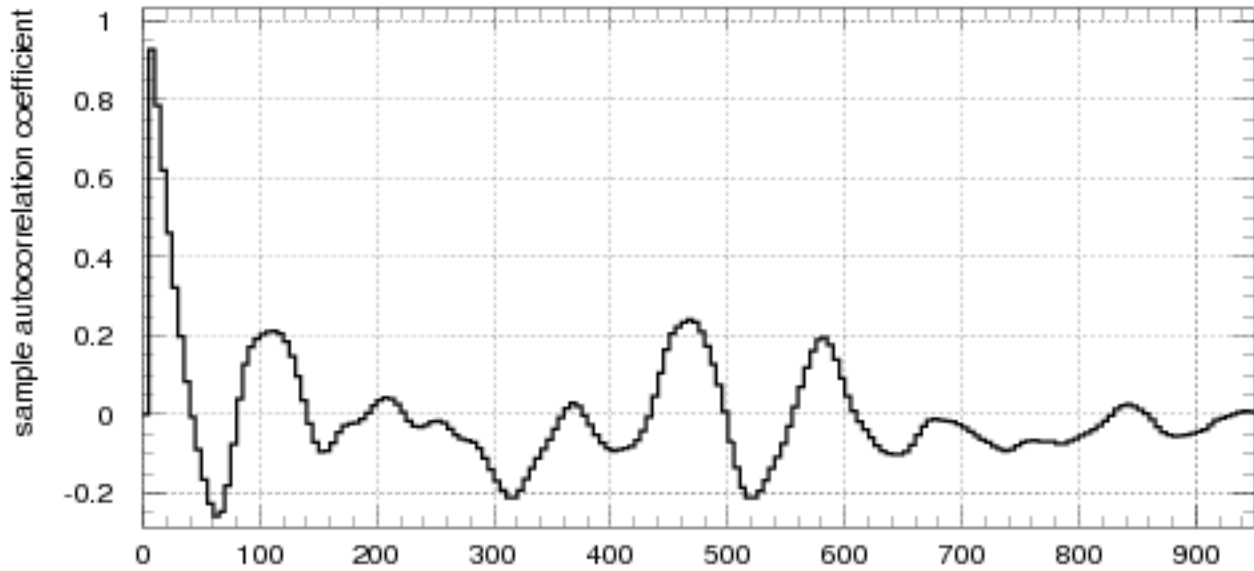


Fig. 7a Time lag (corrected folded time)

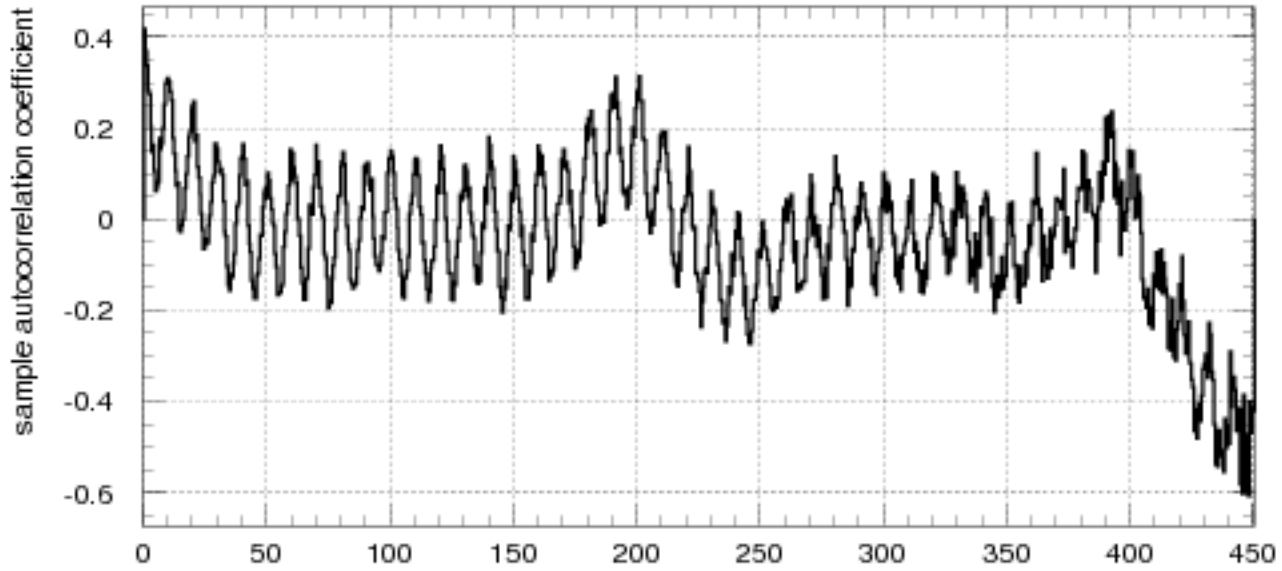


Fig. 7b Time lag (Spill - ms)

### Fourier Transform

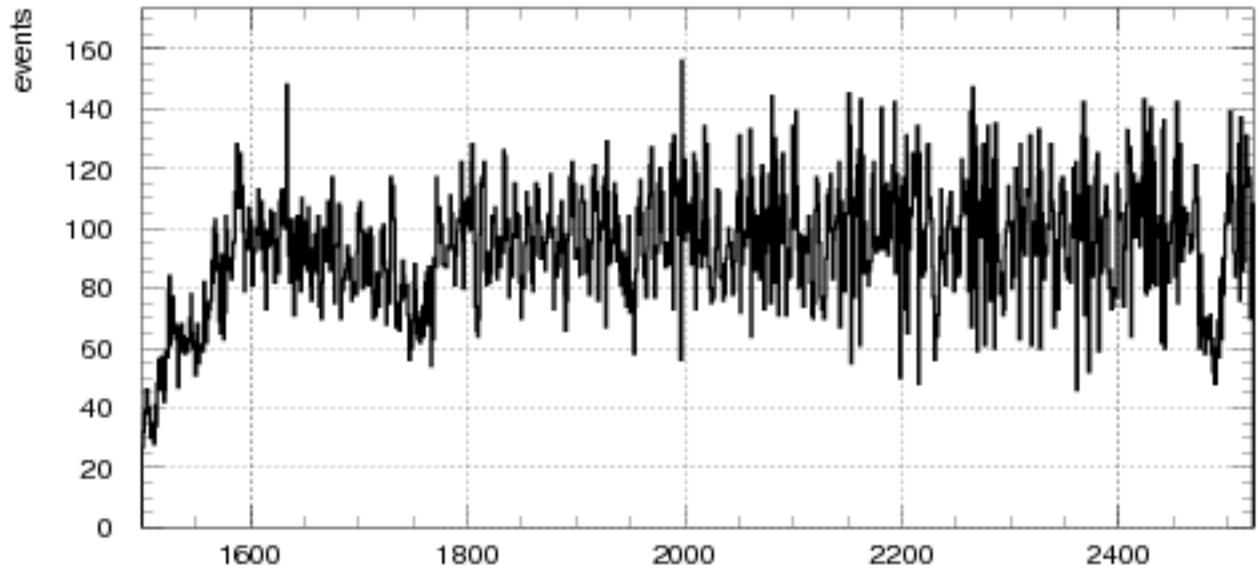


Fig. 8a Time(ms)

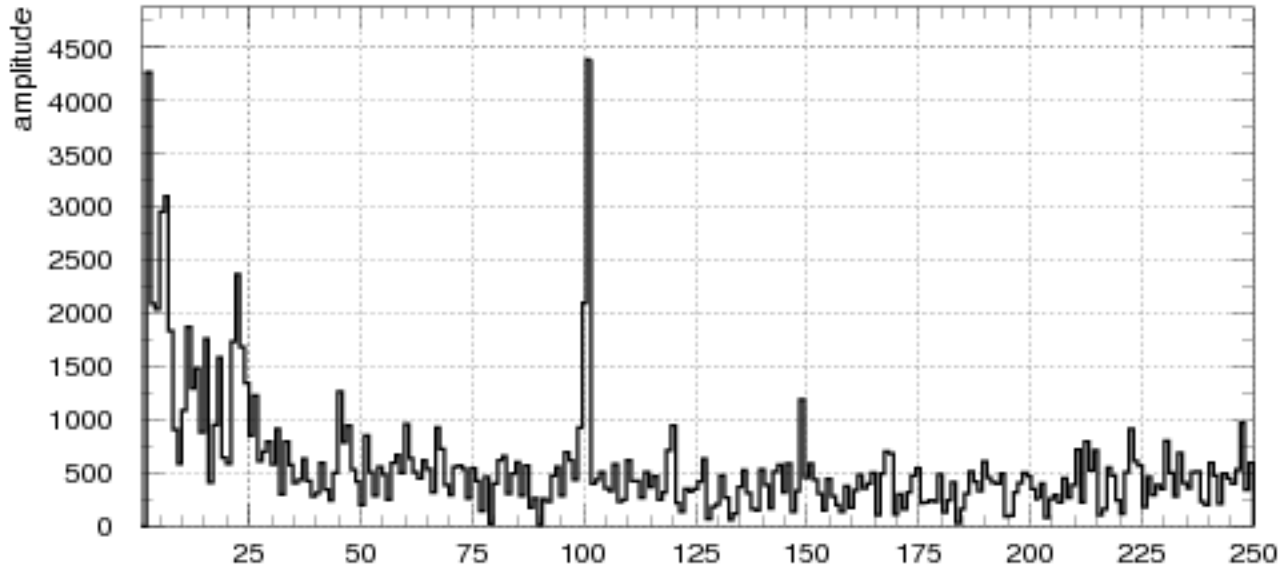


Fig. 8b Frequency(Hz)

SPILL STRUCTURE PLOTS - Spill Time Distribution

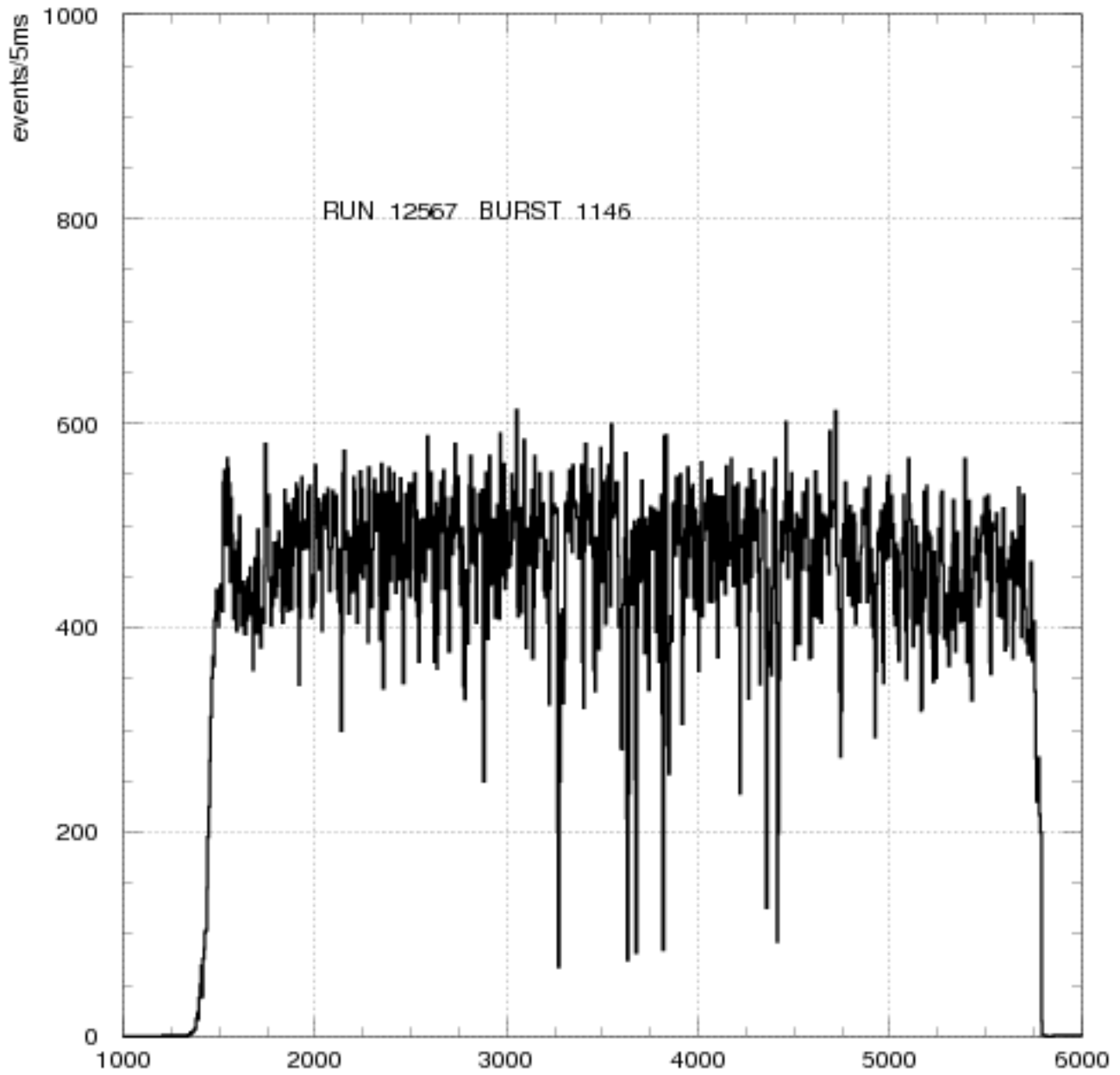


Fig 1. Time (ms)

Spill distribution

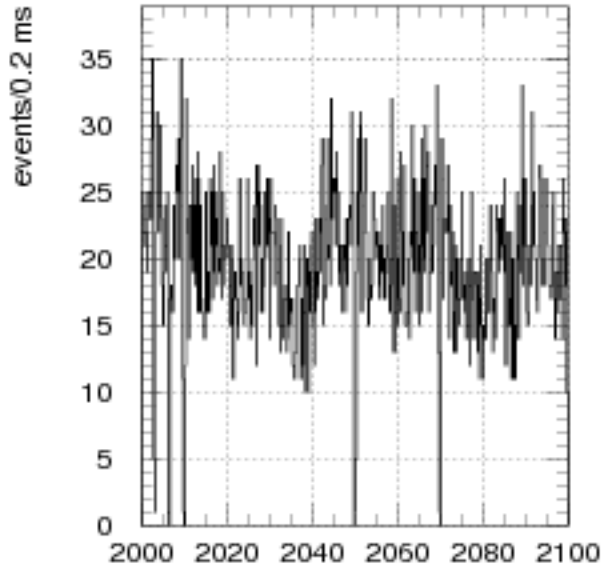


Fig. 2a spill ms

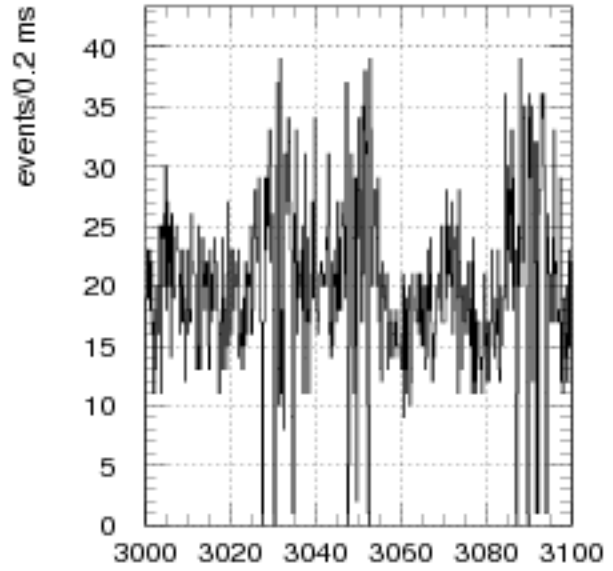


Fig. 2b spill ms

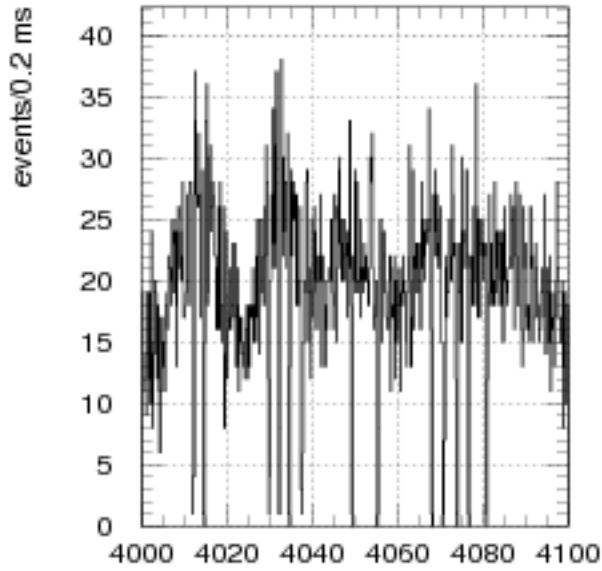


Fig. 2c spill ms

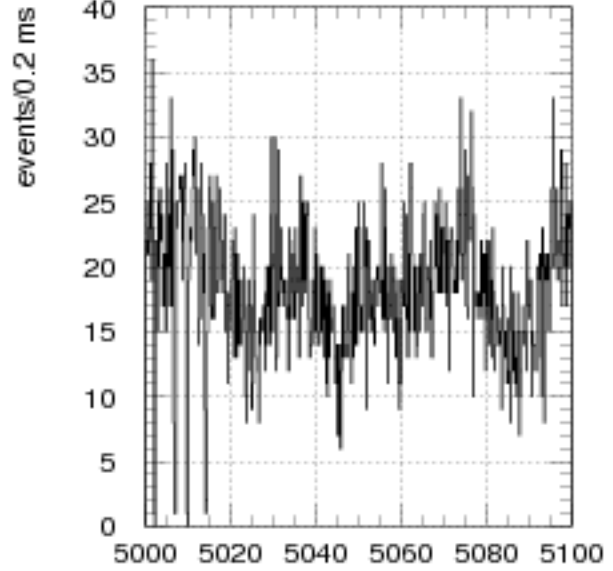


Fig 2d spill ms



Spill distribution

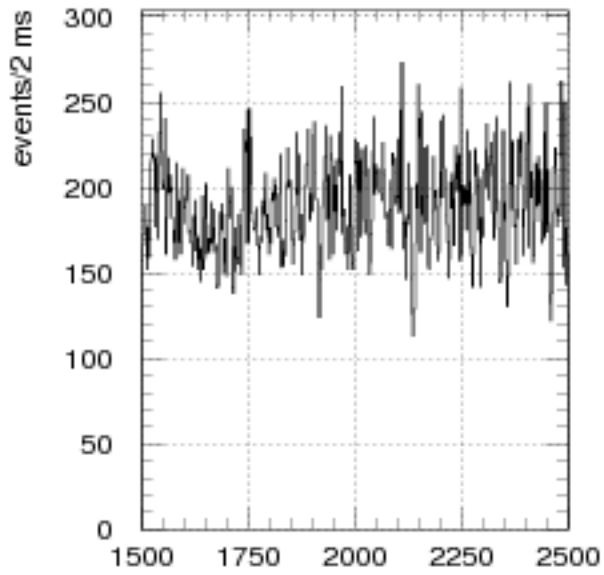


Fig. 2e spill ms

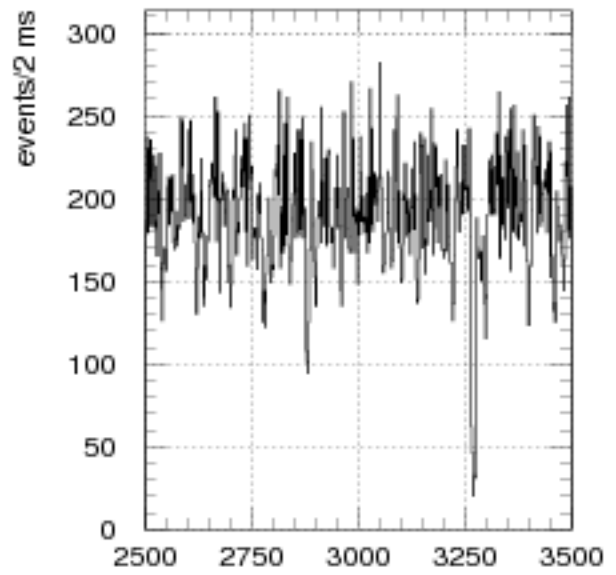


Fig. 2f spill ms

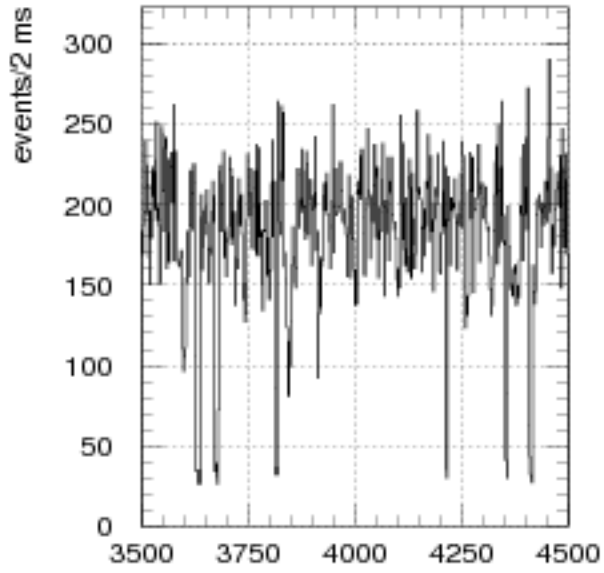


Fig. 2g spill ms

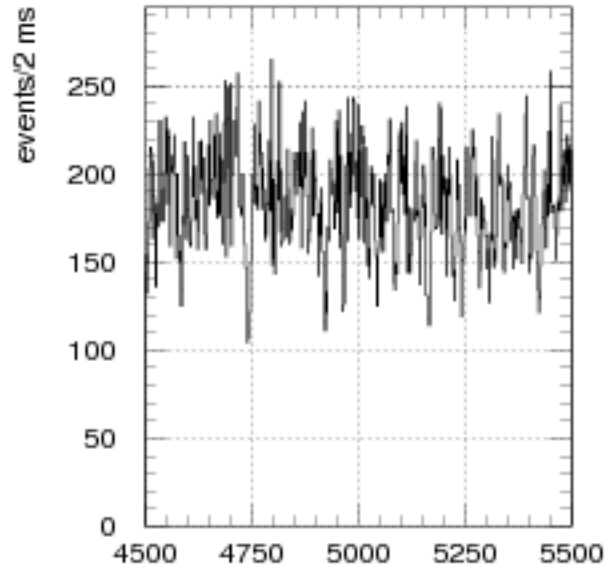


Fig. 2h spill ms

## Spill statistics/ms

RUN 12567 BURST 1146

Mean	93.1135	RMS	21.3489
Skewness	-0.493787	+/-	0.0387298
Kurtosis	4.49463	+/-	0.0774597
RMS/sqrt(Mean)	2.21242		
Range/RMS	7.91611		

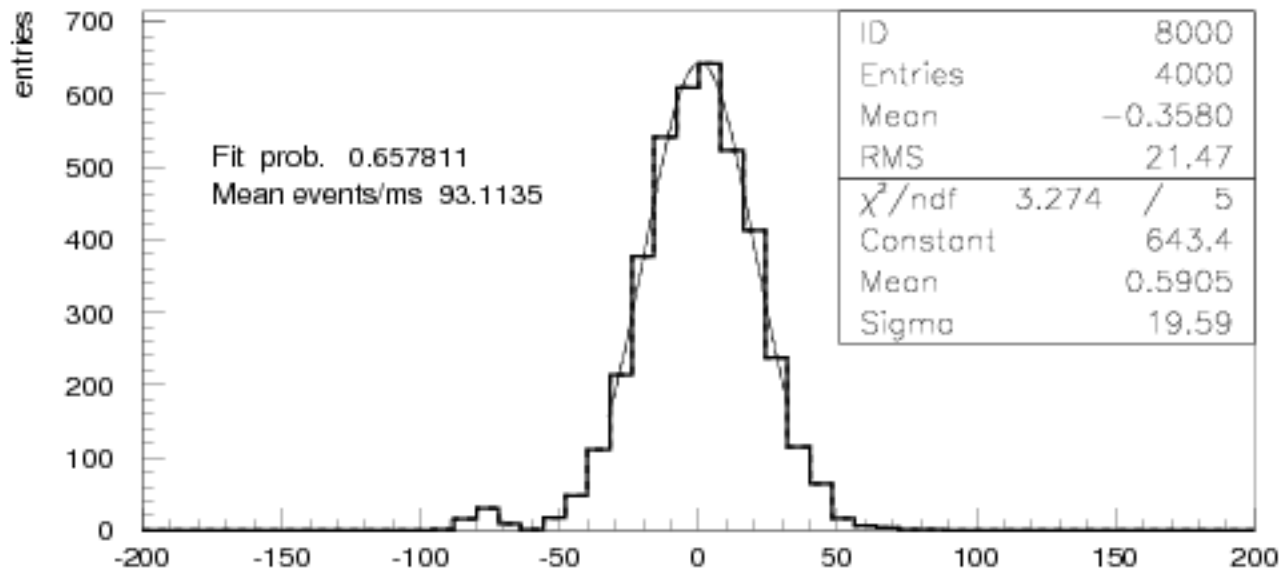


Fig. 3 Spill ( 1.5 - 5.5 sec): distribution of events/ms - mean

Uncorrected folded time (units 25 ns)

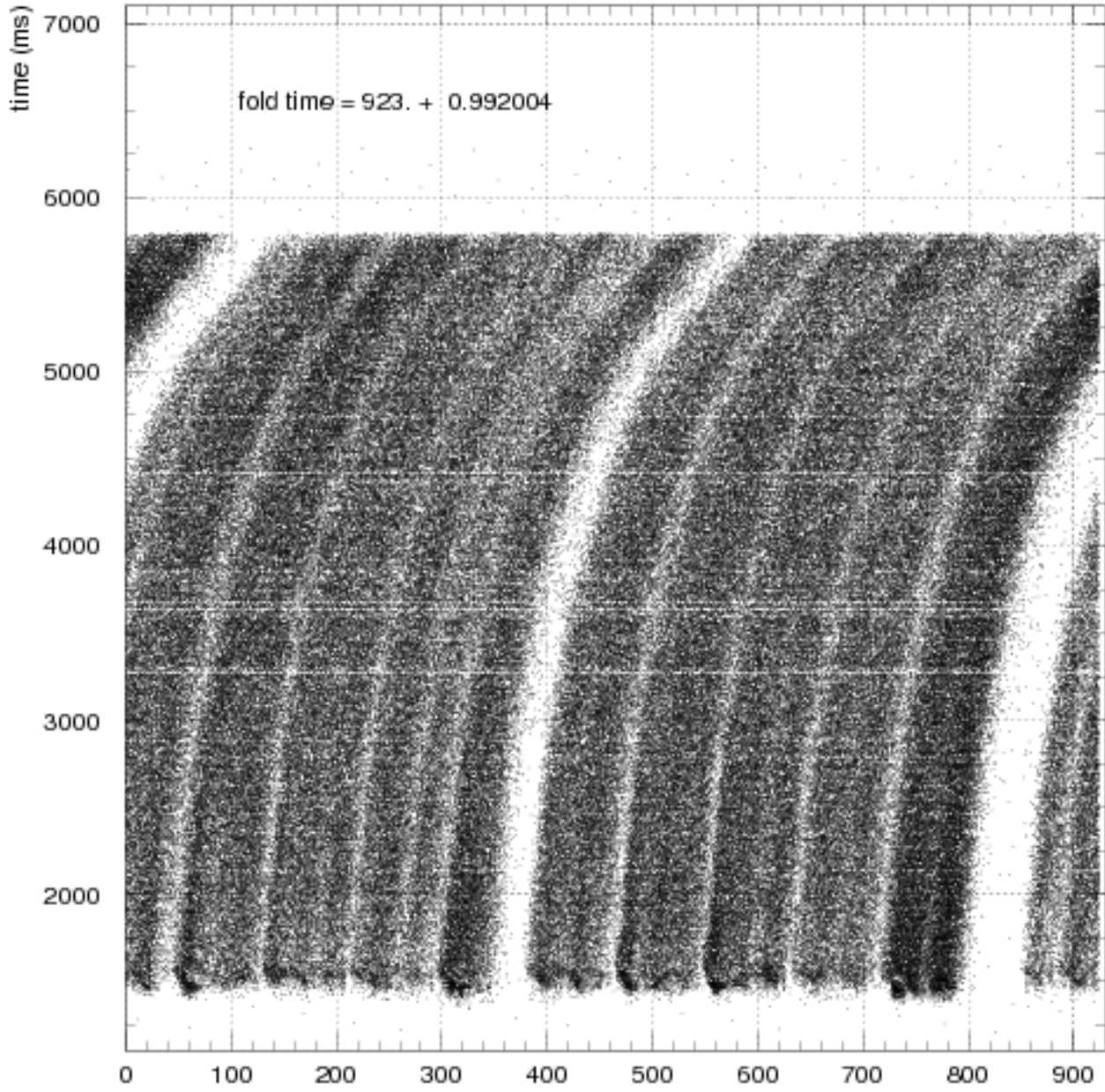


Fig. 4 Folded time/25ns

Cubic-corrected folded time (autocorr.kumac)

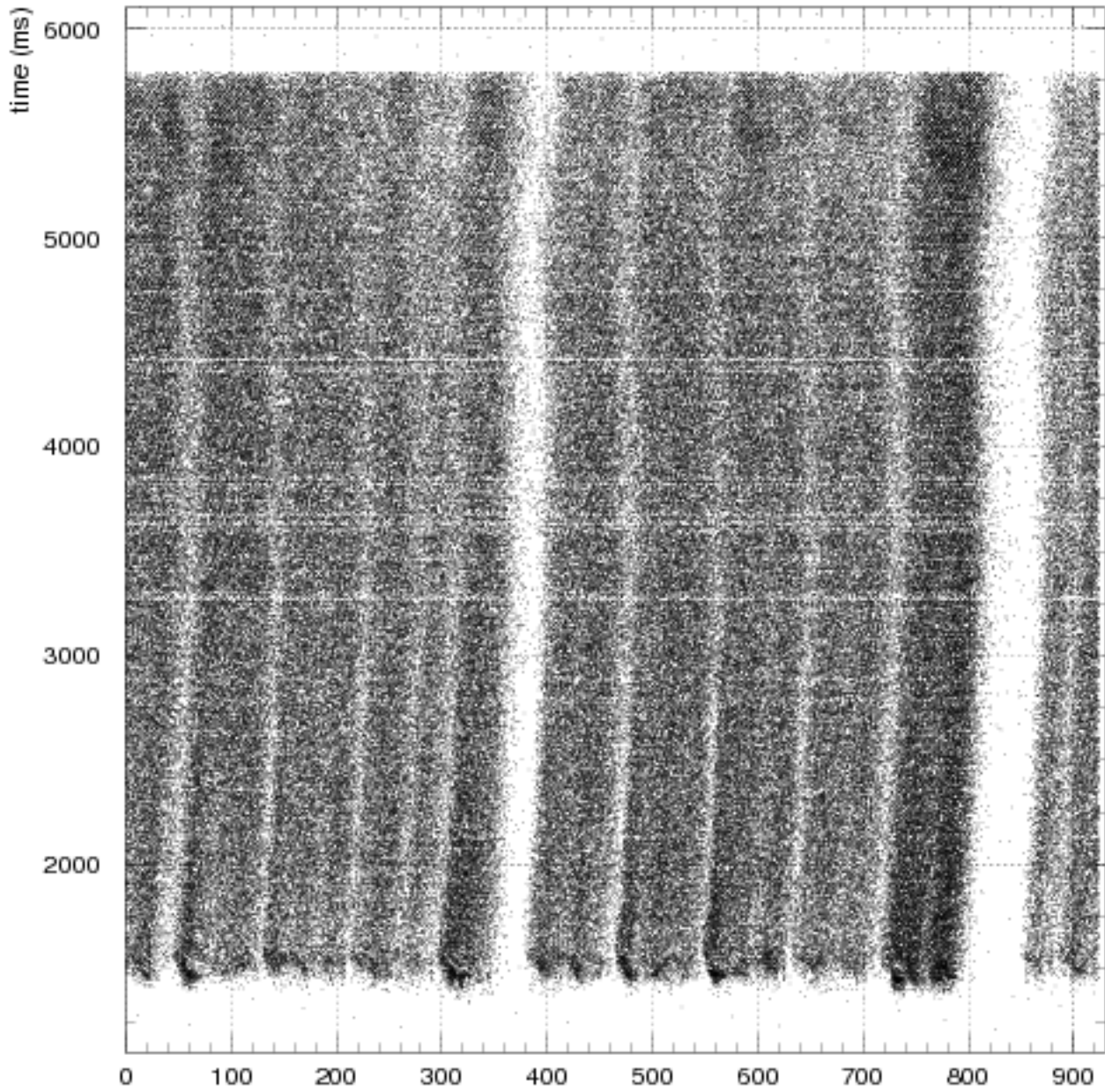


Fig. 5 Corrected folded time/25ns

### Folded Time Distributions

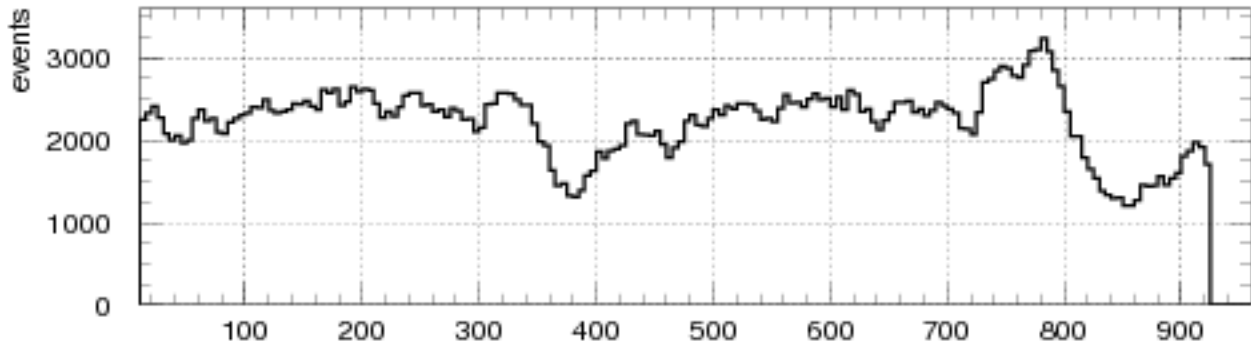


Fig. 6a Uncorrected folded time

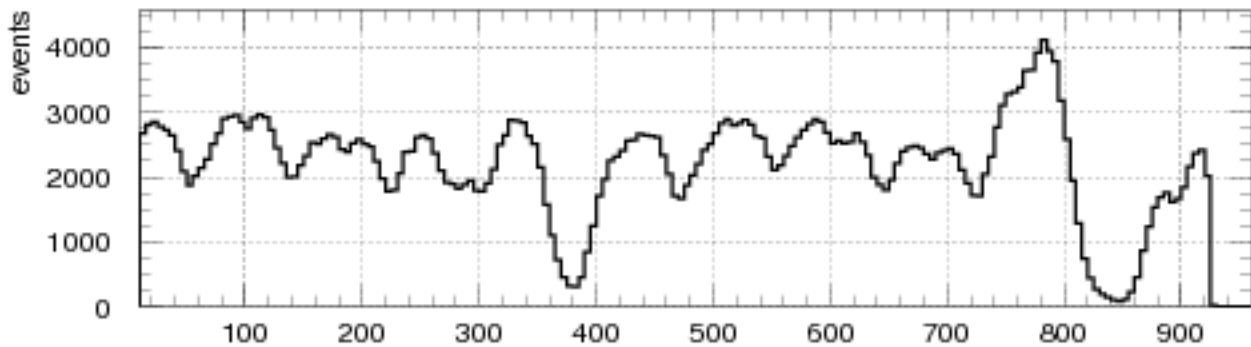


Fig. 6b Corrected folded time

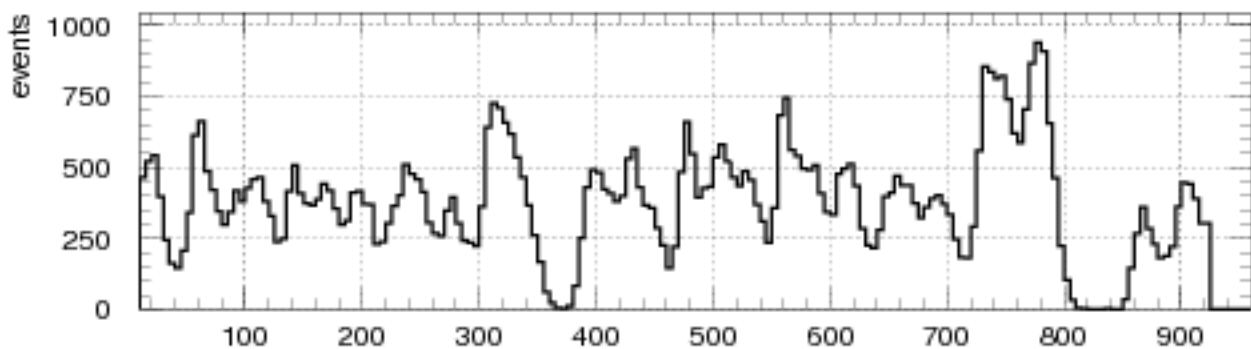


Fig. 6c Uncorrected folded time for 1200-2200 ms spill time

## Folded Time Distributions

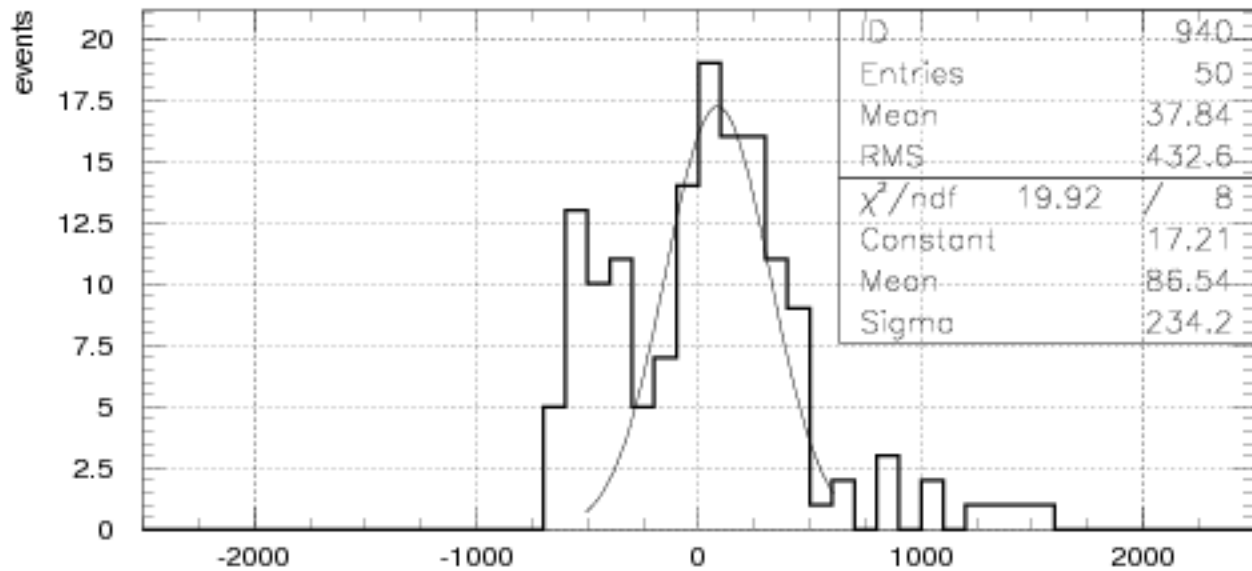


Fig. 6b2 Corrected folded time

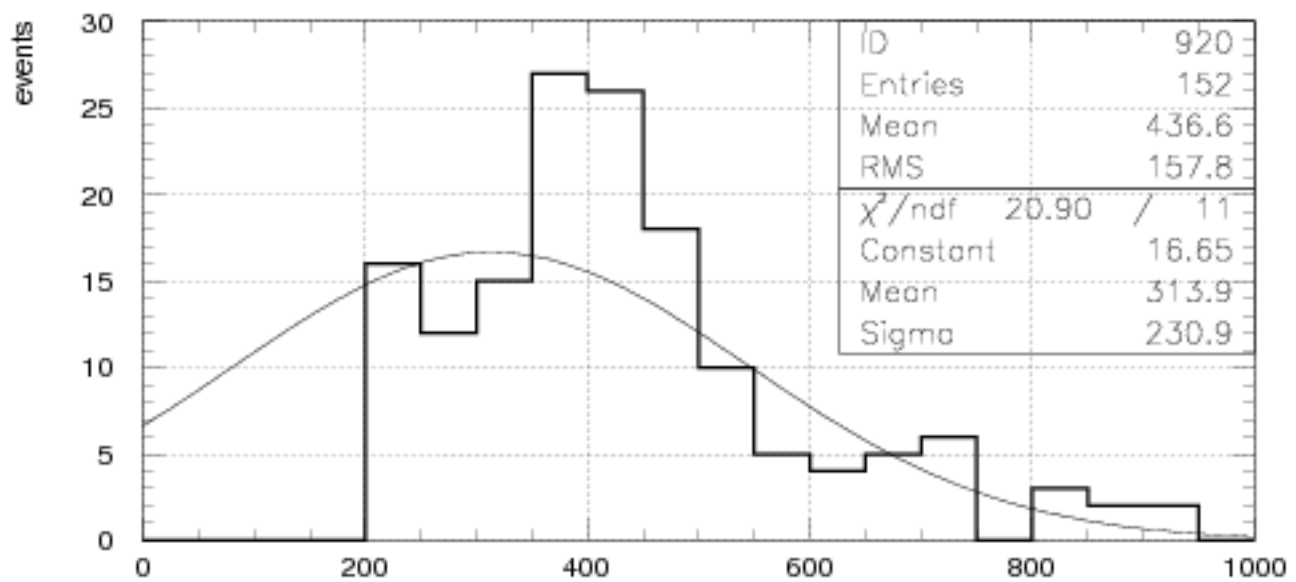


Fig. 6c2 Uncorrected folded time

Sample Autocorrelation Coefficient (1.5 - 5.5 secs) il = 1 iphase =150

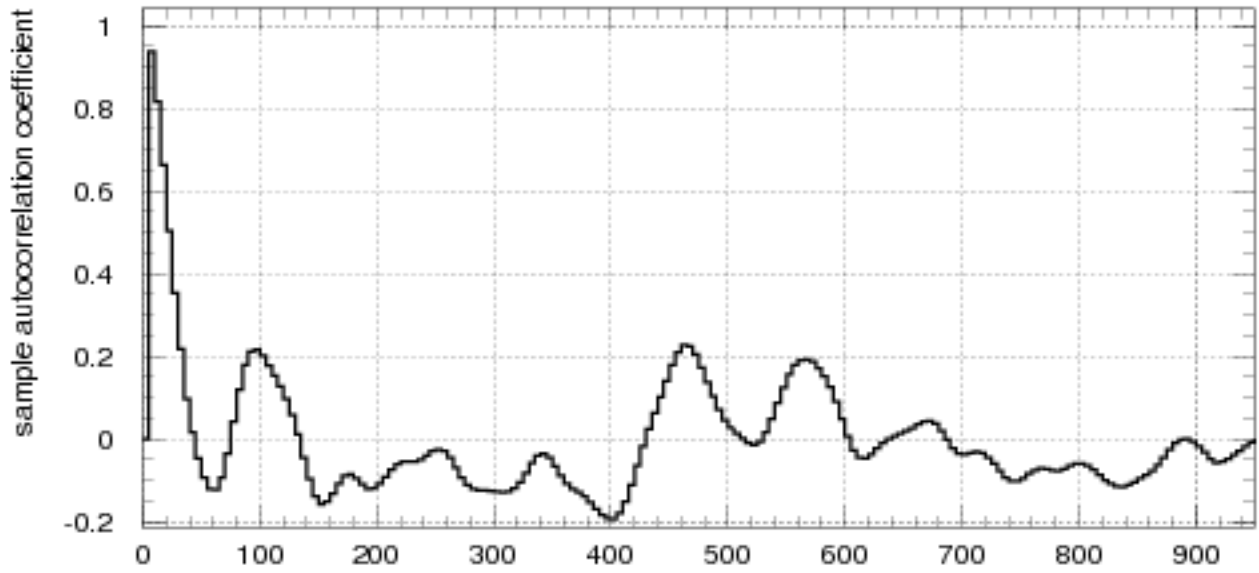


Fig. 7a Time lag (corrected folded time)

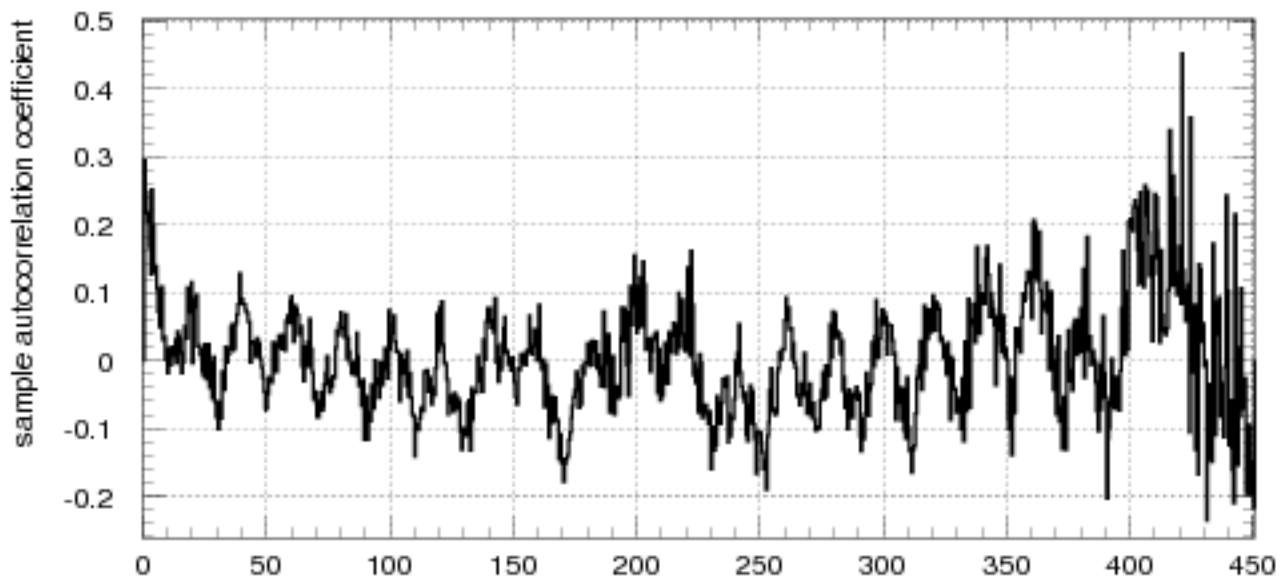


Fig. 7b Time lag (Spill - ms )

### Fourier Transform

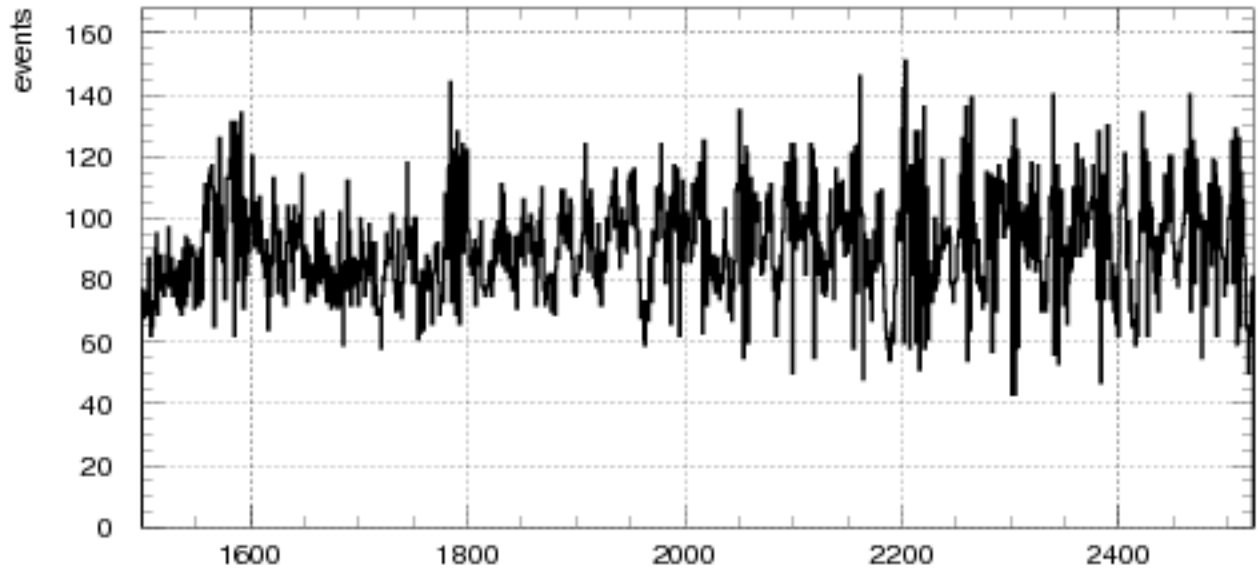


Fig. 8a Time(ms)

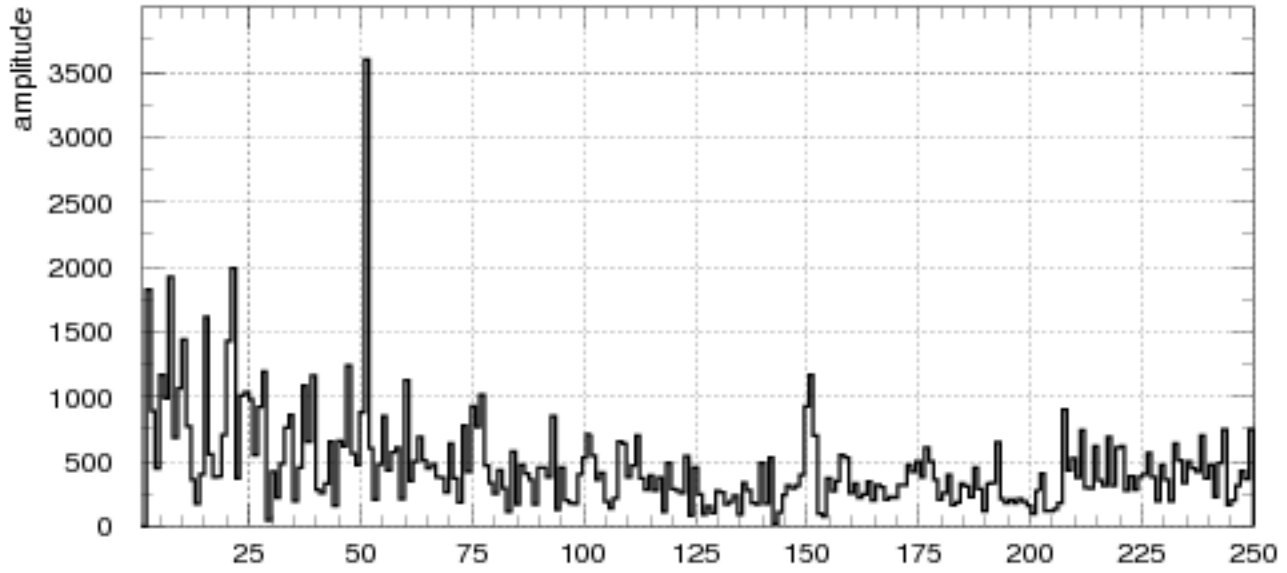


Fig. 8b Frequency(Hz)



SPILL STRUCTURE PLOTS - Spill Time Distribution

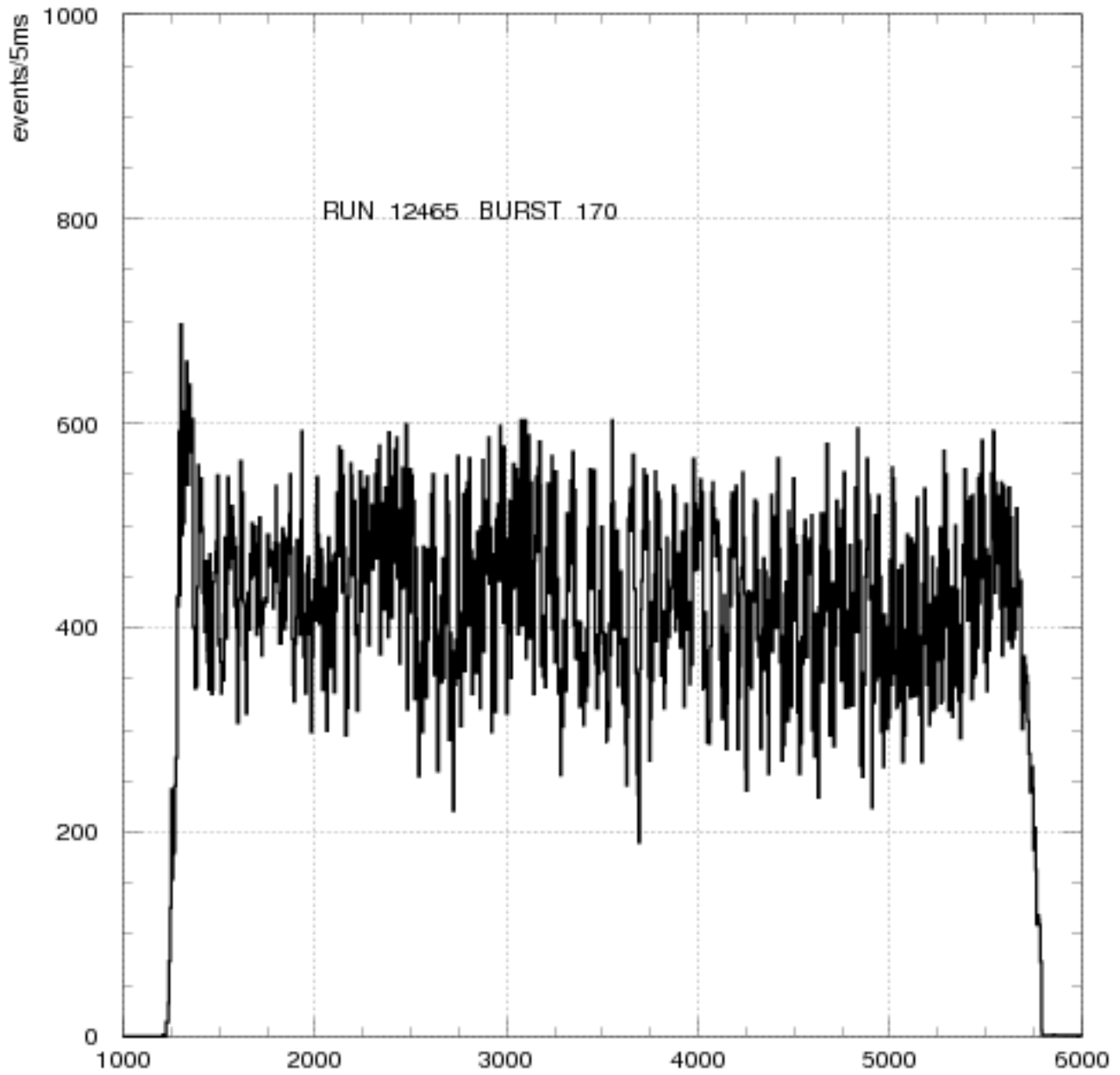


Fig 1. Time (ms)

Spill distribution

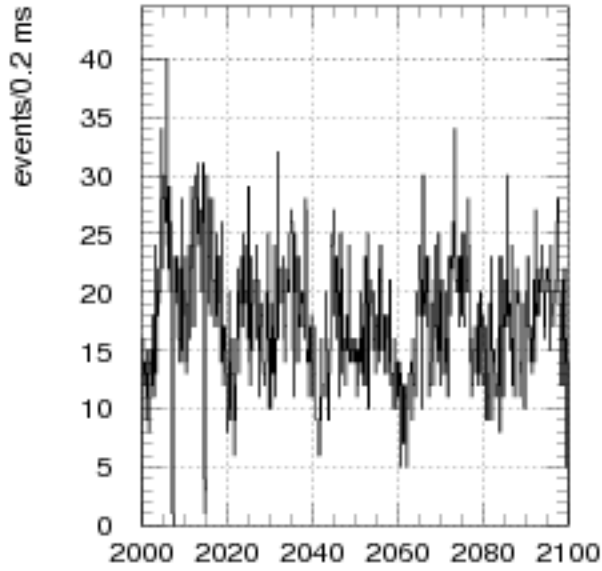


Fig. 2a spill ms

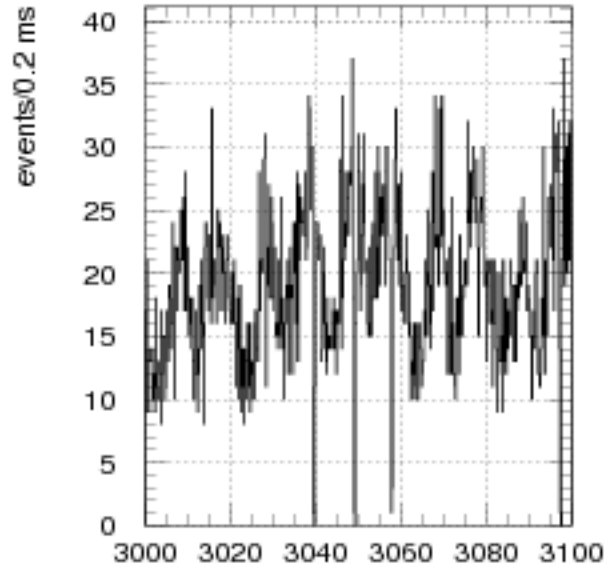


Fig. 2b spill ms

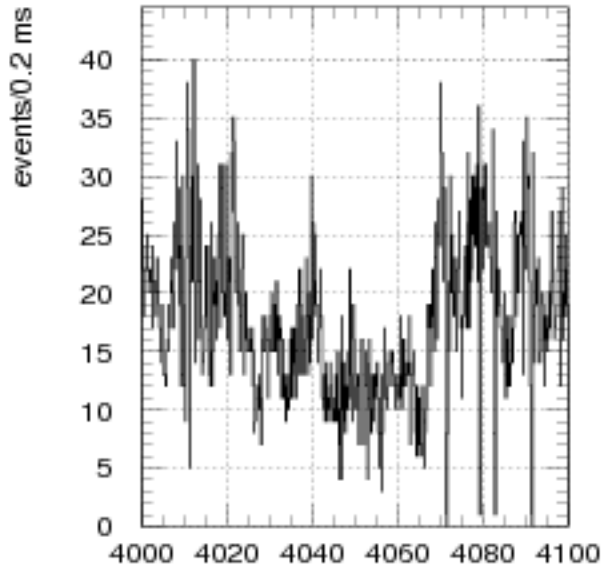


Fig. 2c spill ms

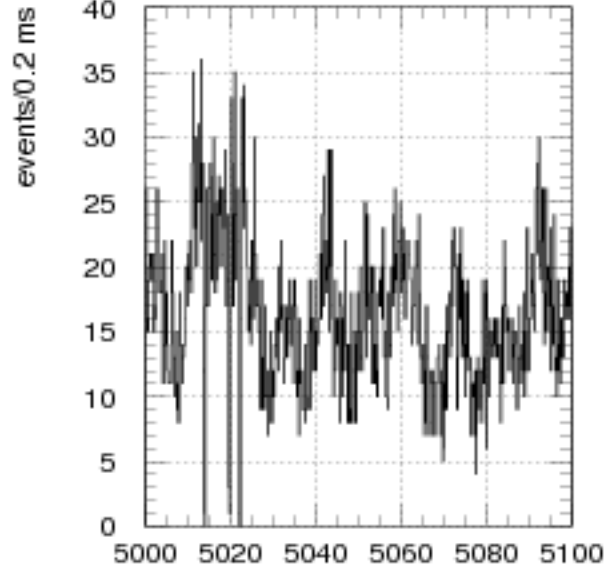


Fig 2d spill ms

Spill distribution

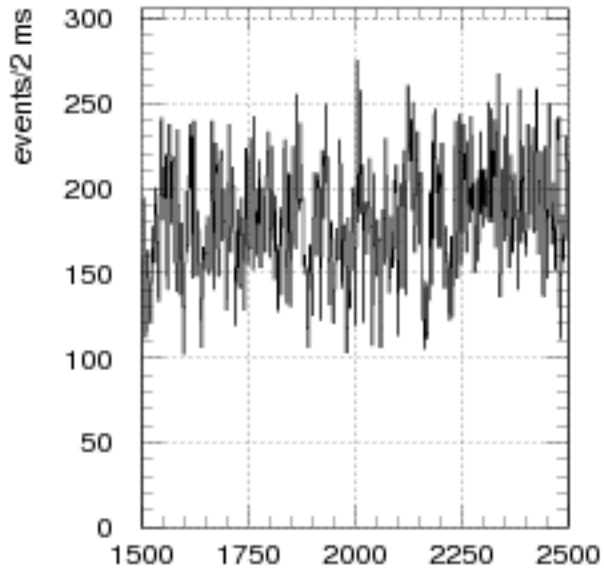


Fig. 2e spill ms

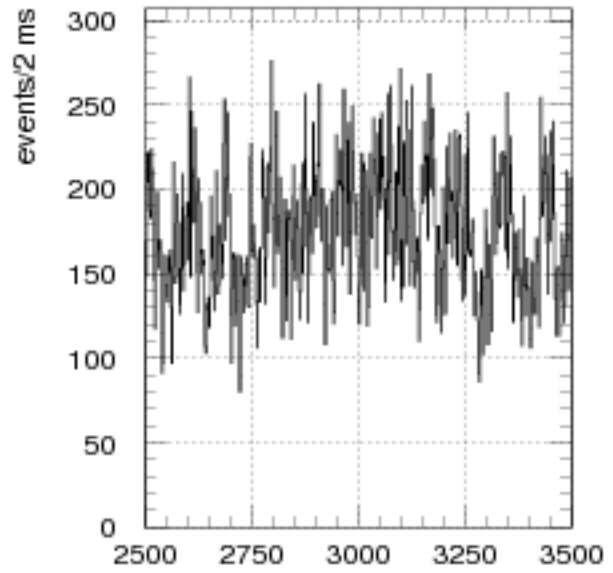


Fig. 2f spill ms

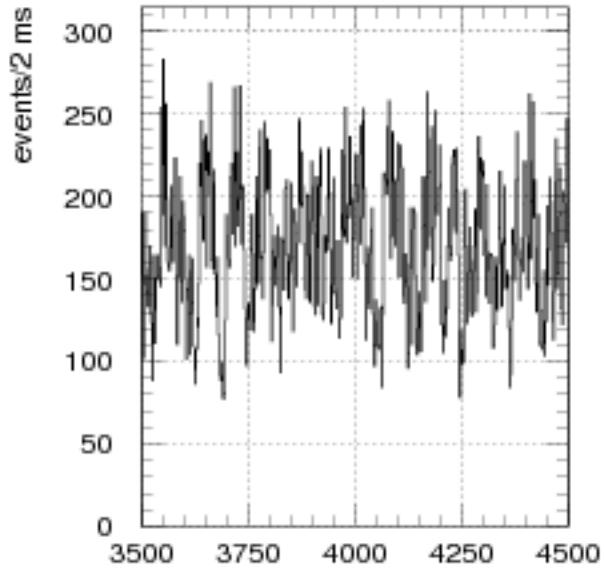


Fig. 2g spill ms

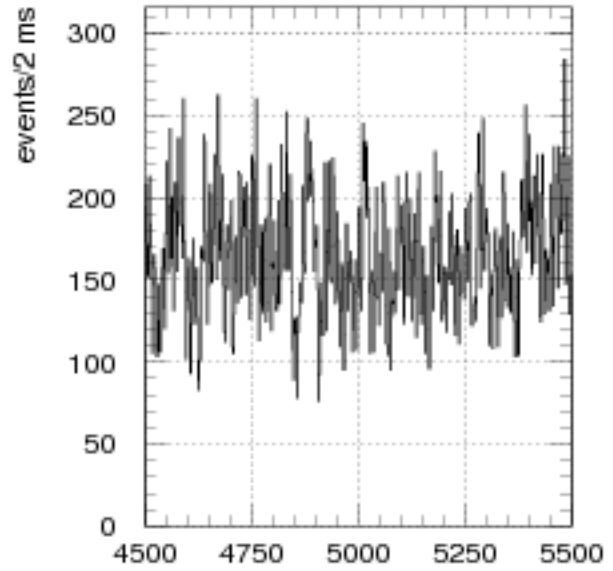


Fig. 2h spill ms

## Spill statistics/ms

RUN 12465 BURST 170

Mean	86.0583	RMS	21.4592
Skewness	0.351482	+/-	0.0387298
Kurtosis	2.77142	+/-	0.0774597
RMS/sqrt(Mean)	2.31322		
Range/RMS	5.91822		

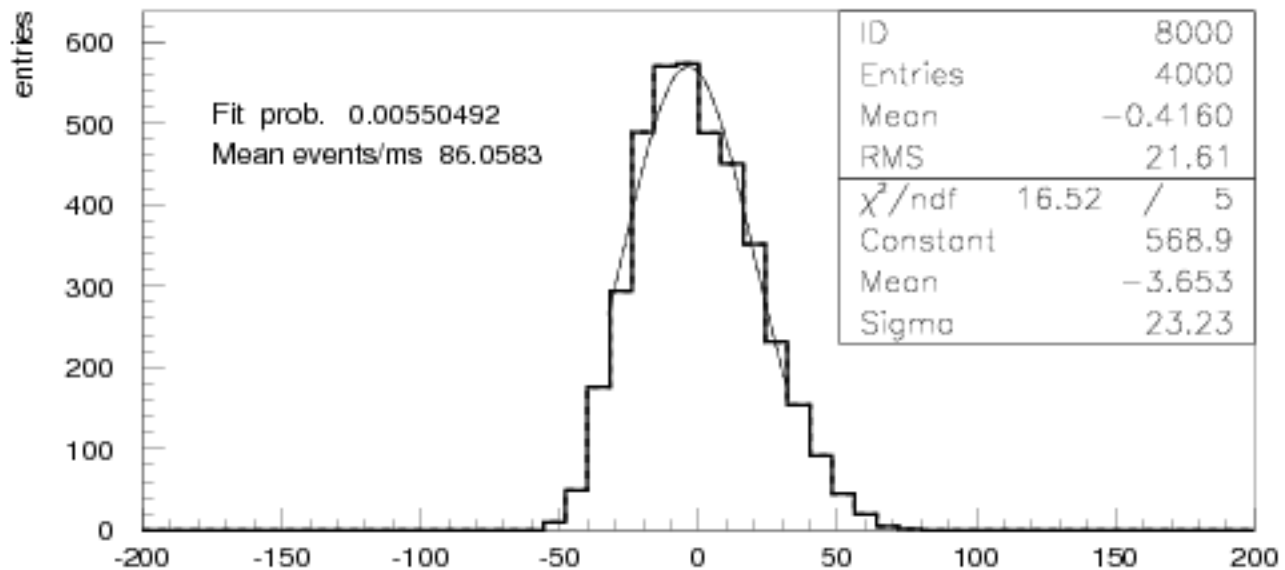


Fig. 3 Spill ( 1.5 - 5.5 sec): distribution of events/ms - mean

Uncorrected folded time (units 25 ns)

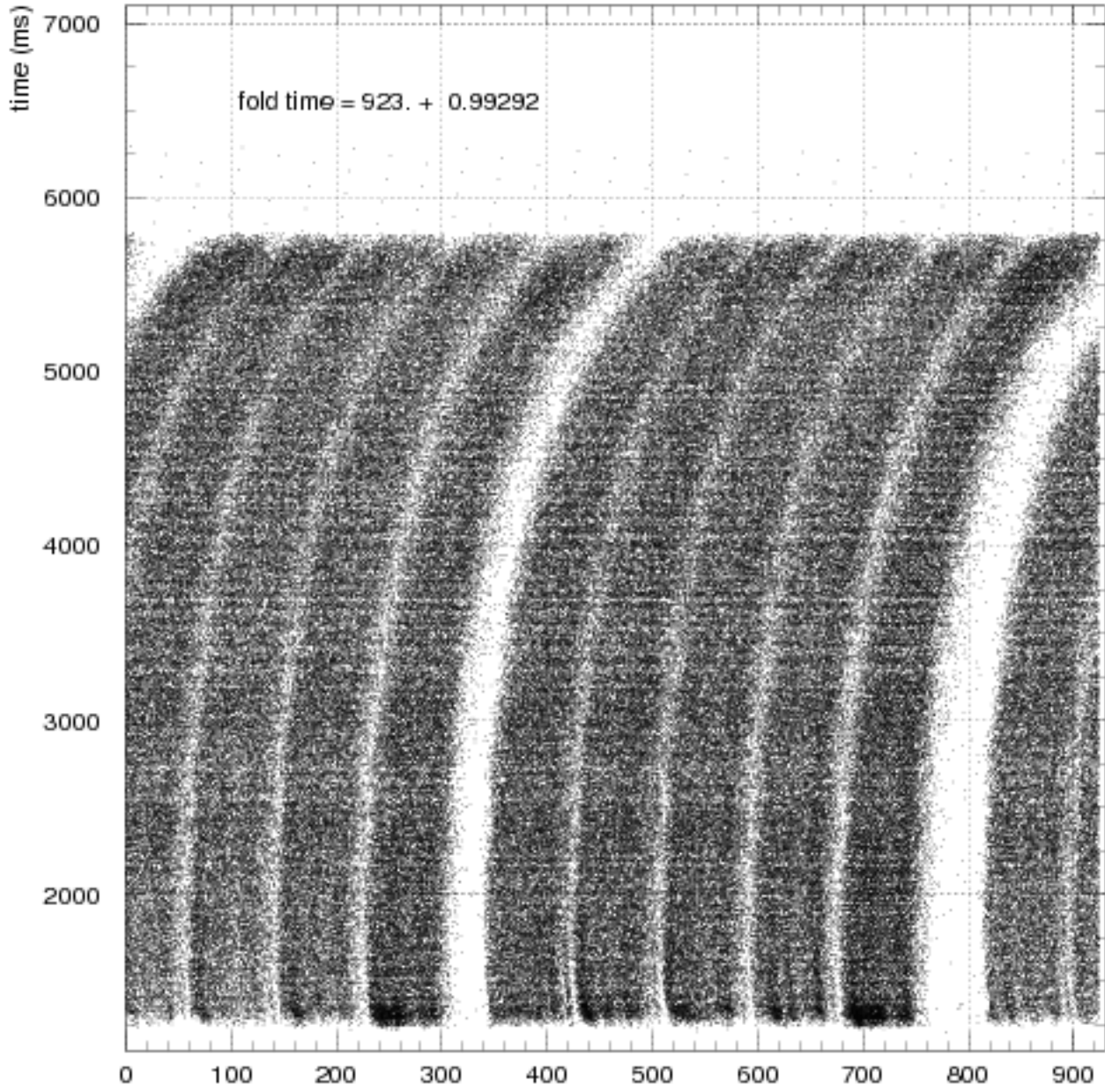


Fig. 4 Folded time/25ns

Cubic-corrected folded time (autocorr.kumac)

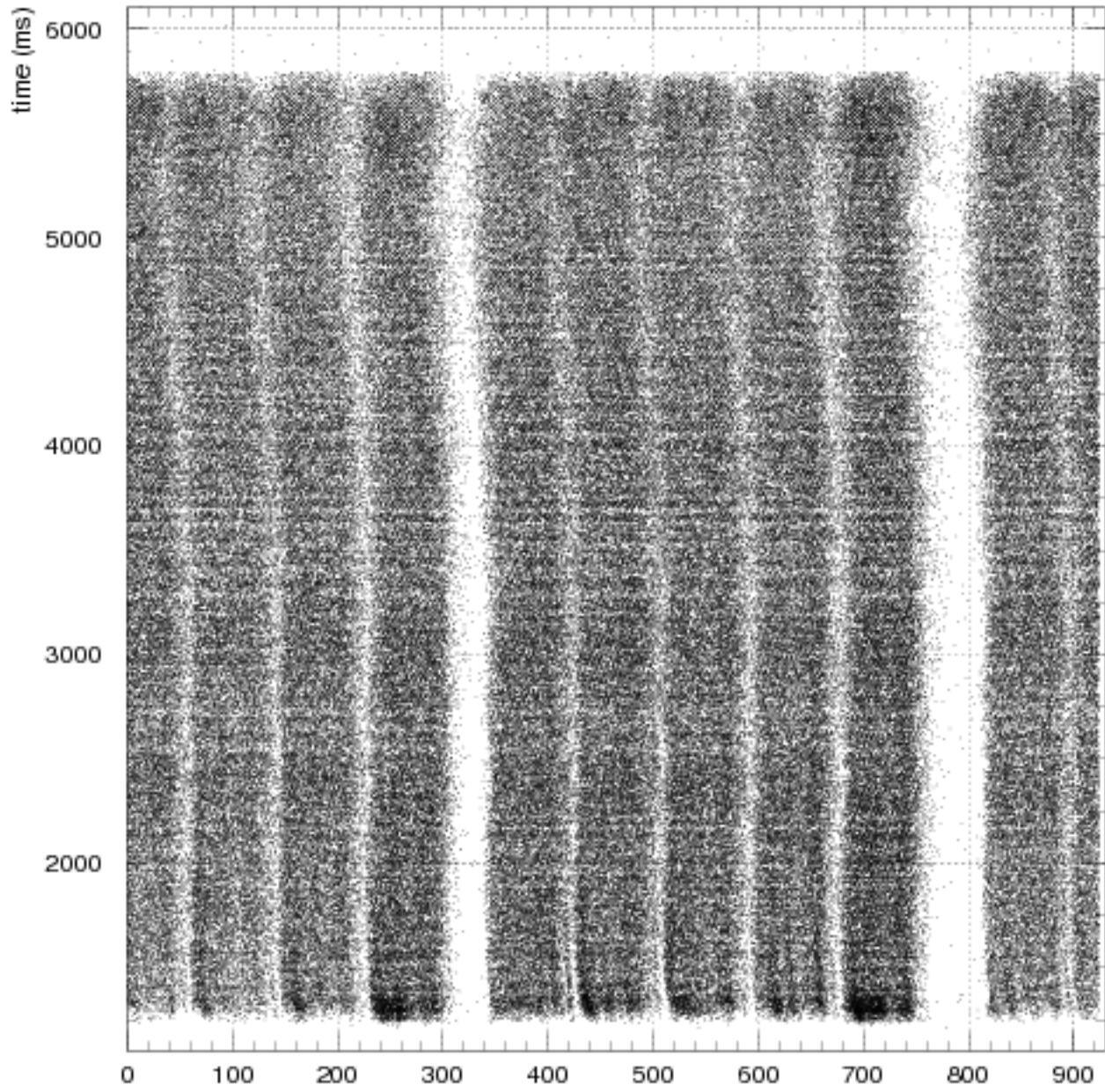


Fig. 5 Corrected folded time/25ns

### Folded Time Distributions

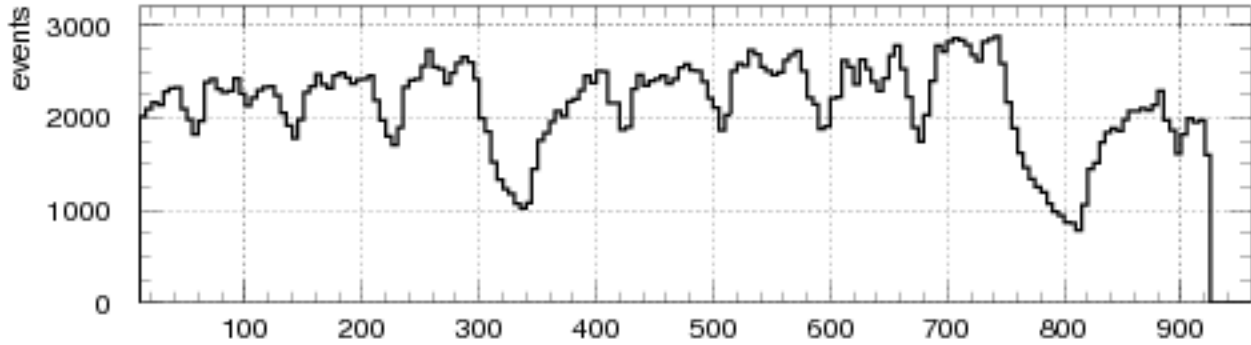


Fig. 6a Uncorrected folded time

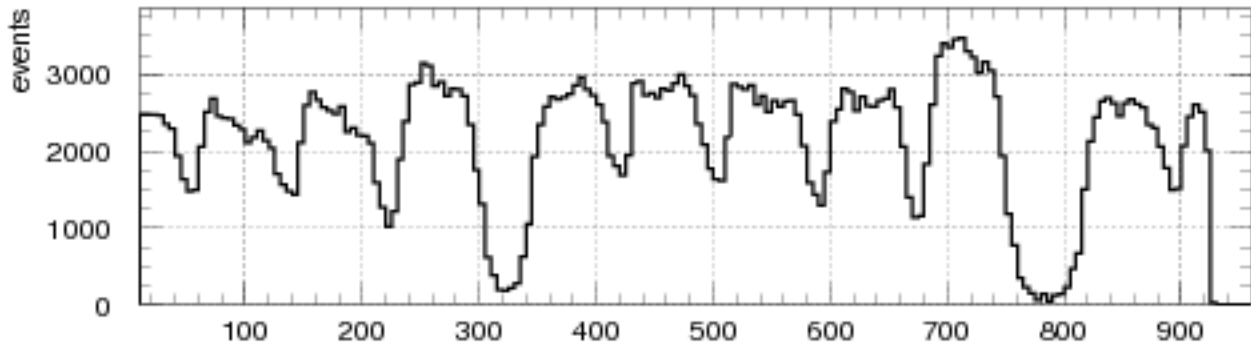


Fig. 6b Corrected folded time

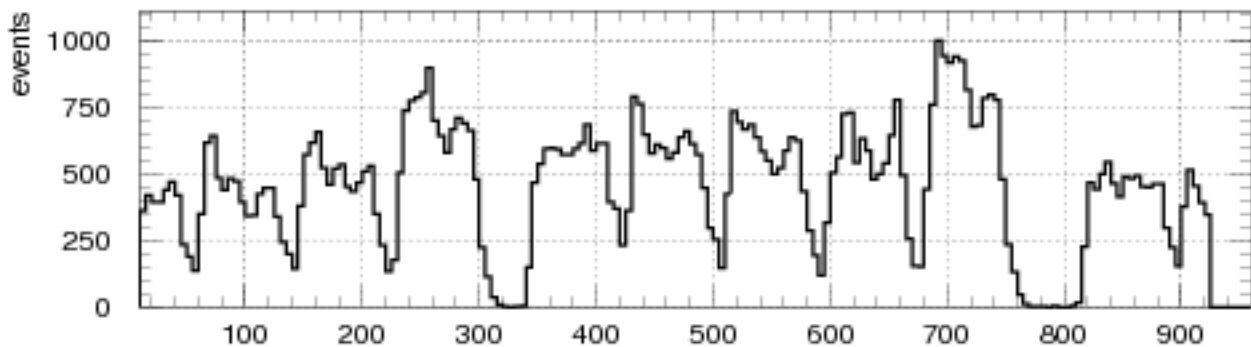


Fig. 6c Uncorrected folded time for 1200-2200 ms spill time

## Folded Time Distributions

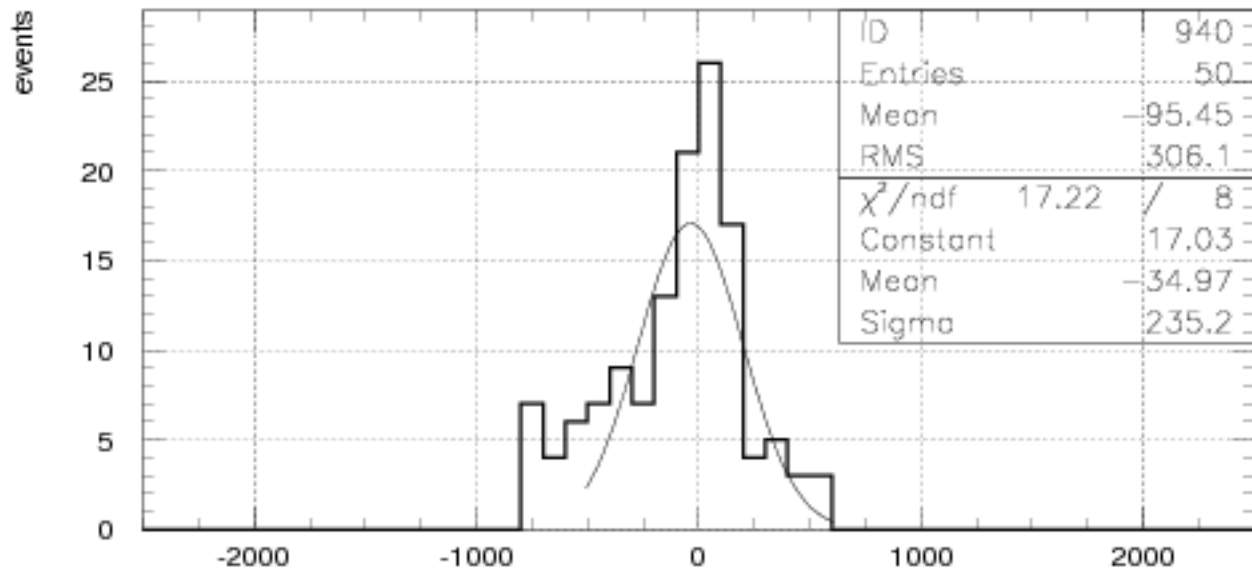


Fig. 6b2 Corrected folded time

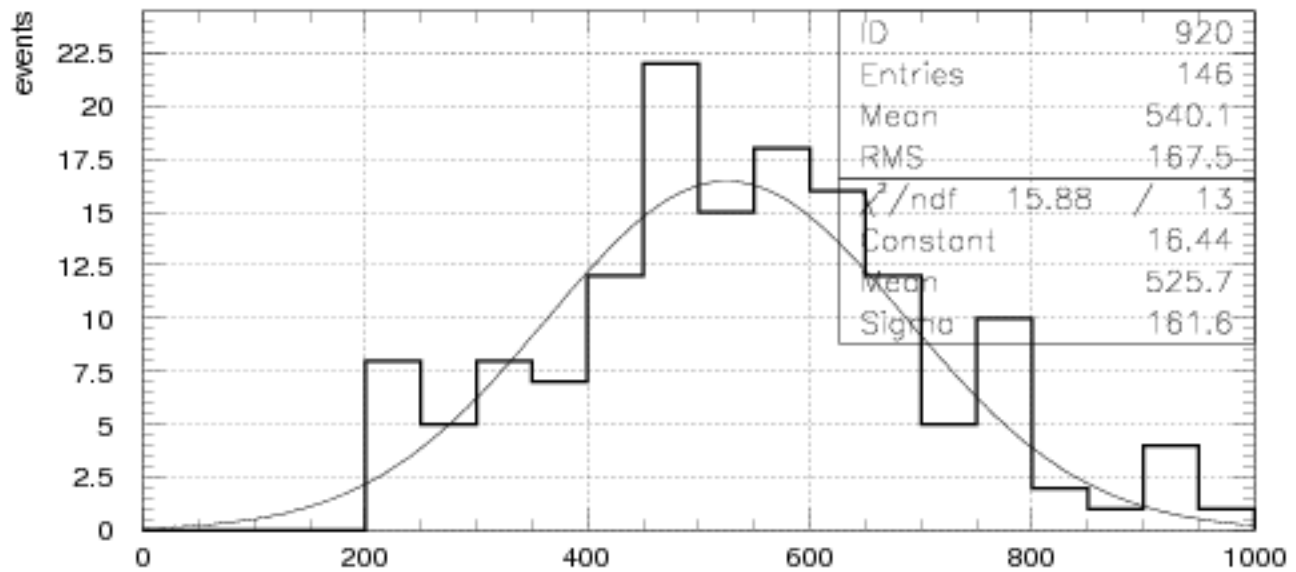


Fig. 6c2 Uncorrected folded time



Sample Autocorrelation Coefficient (1.5 - 5.5 secs) il = 1 iphase =150

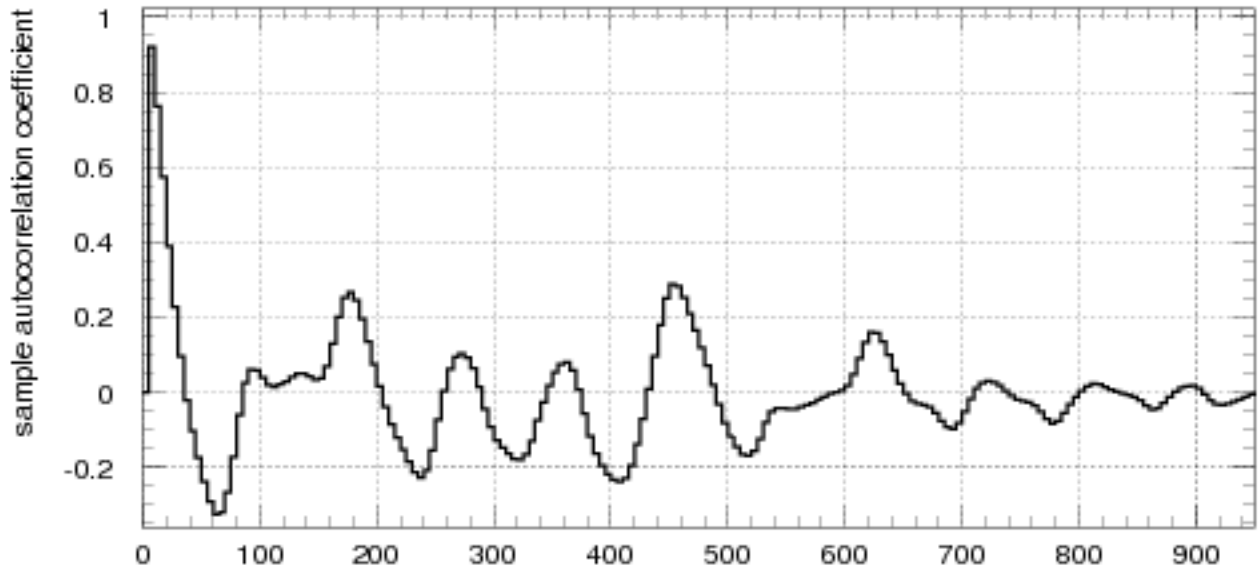


Fig. 7a Time lag (corrected folded time)

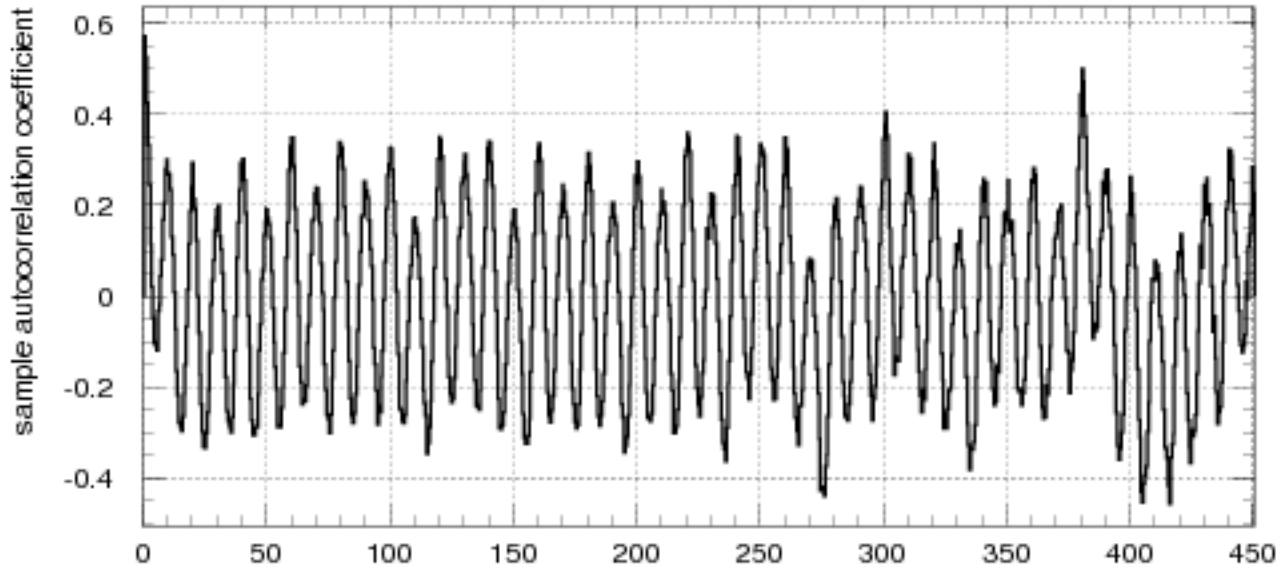


Fig. 7b Time lag (Spill - ms )

### Fourier Transform

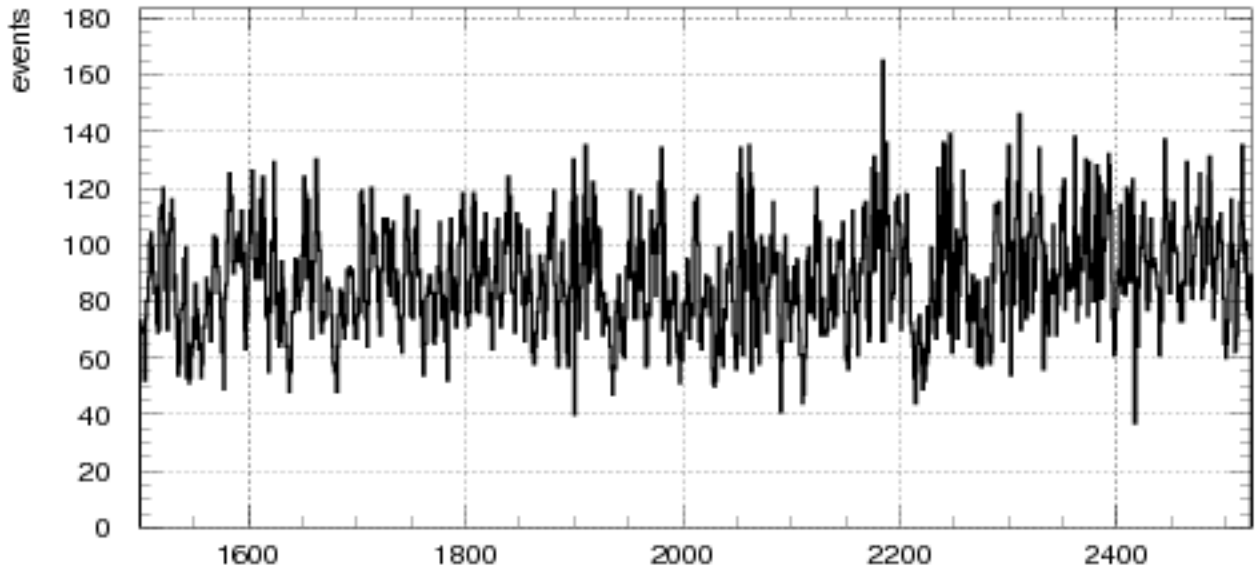


Fig. 8a Time(ms)

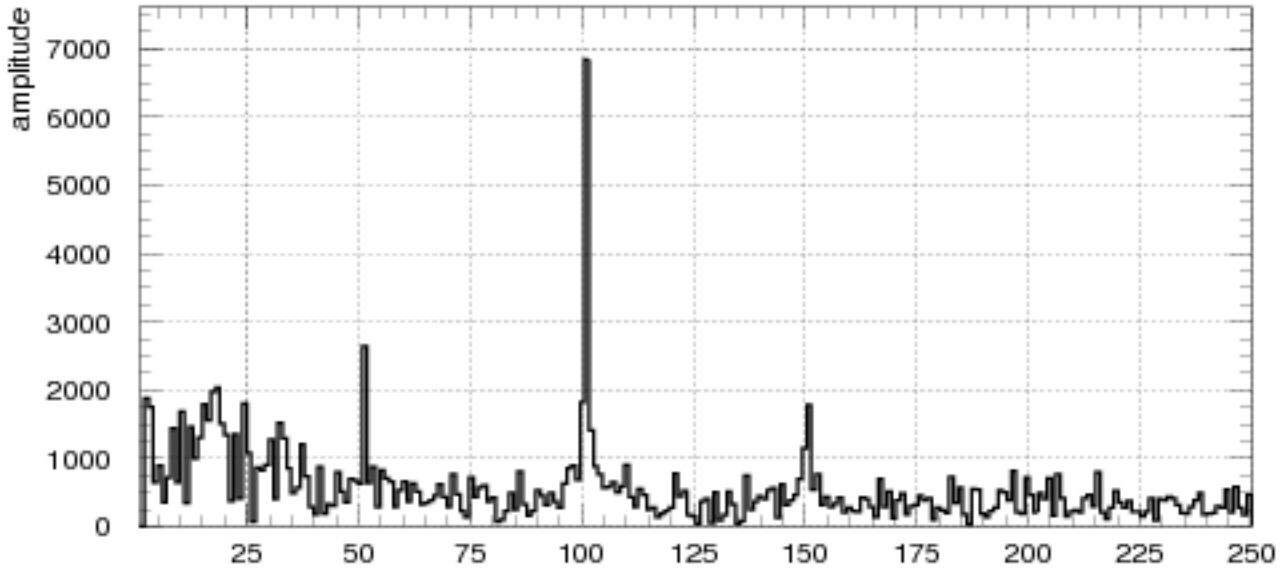


Fig. 8b Frequency(Hz)

SPILL STRUCTURE PLOTS - Spill Time Distribution

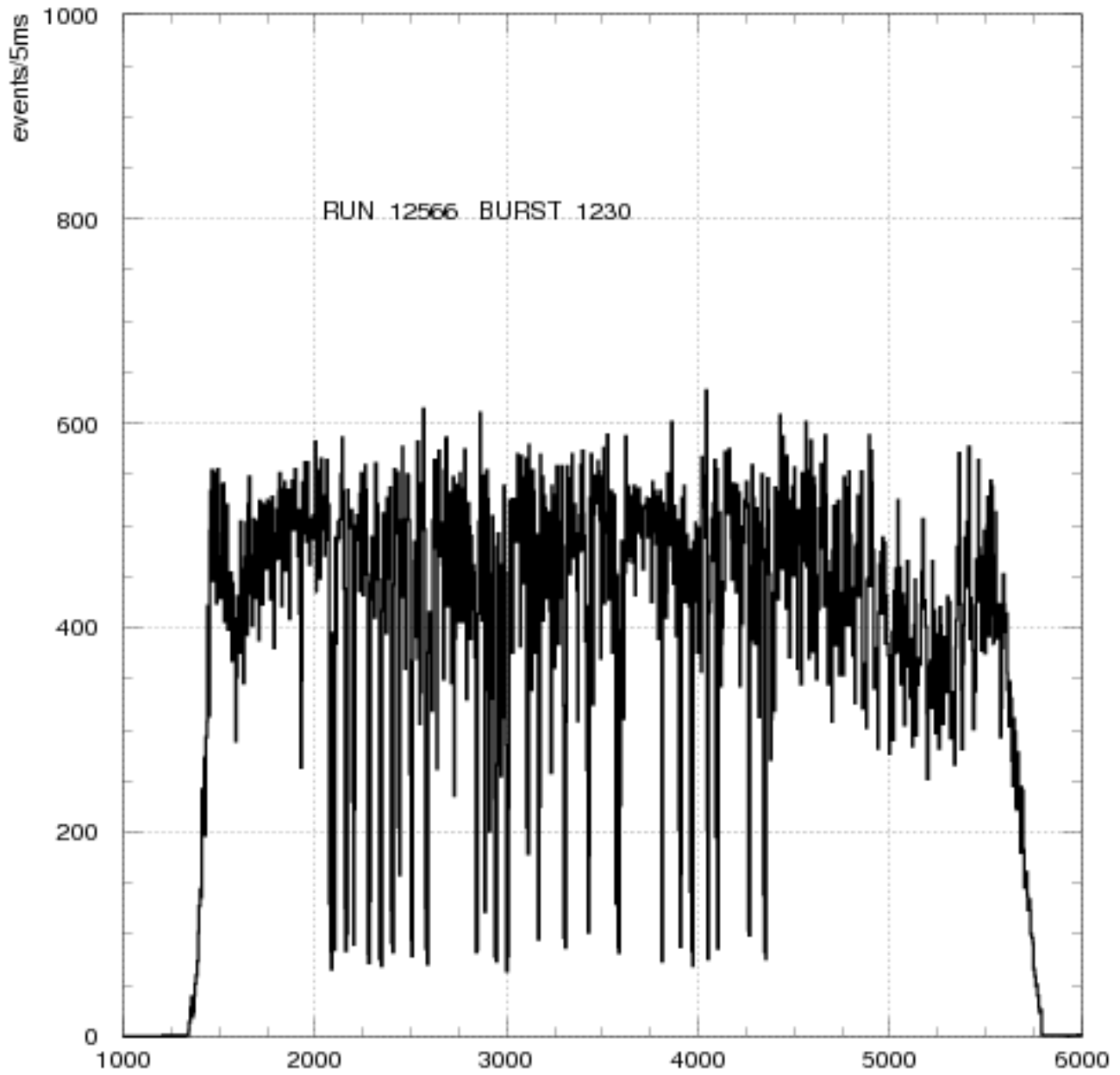


Fig 1. Time (ms)

Spill distribution

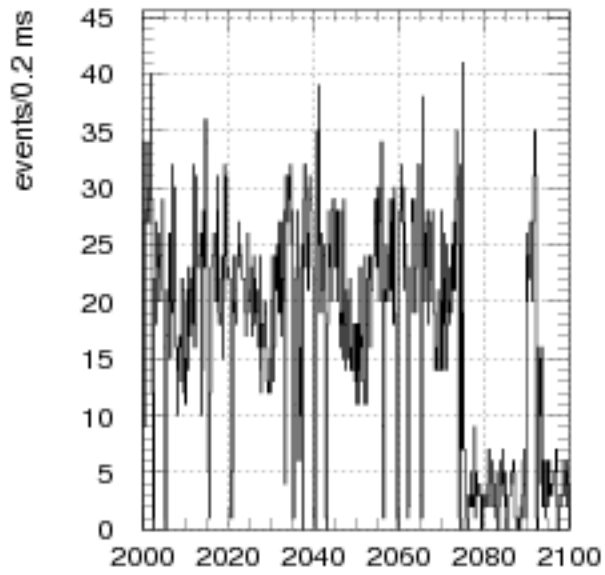


Fig. 2a spill ms

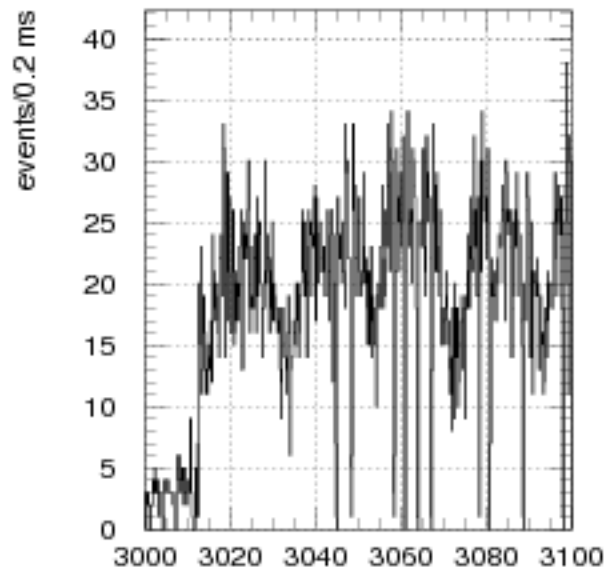


Fig. 2b spill ms

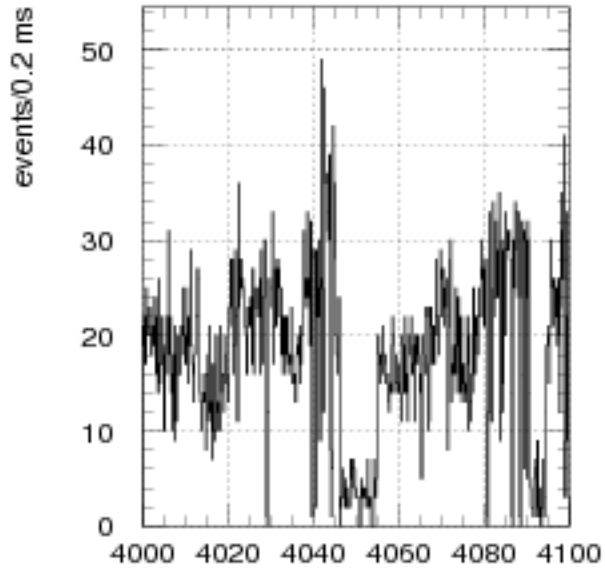


Fig. 2c spill ms

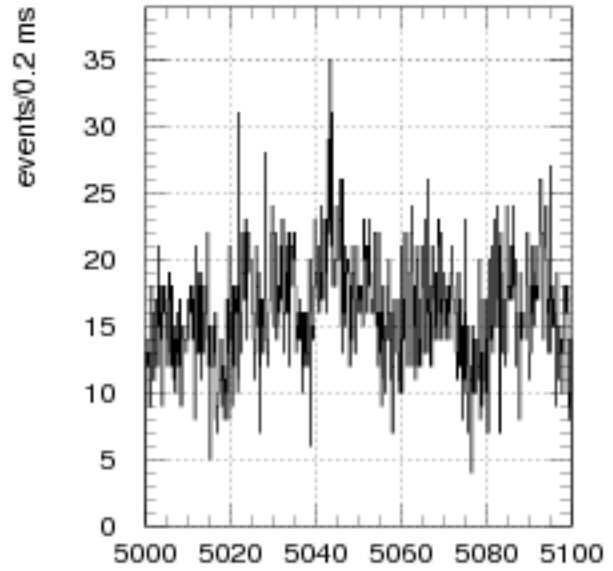


Fig 2d spill ms

Spill distribution

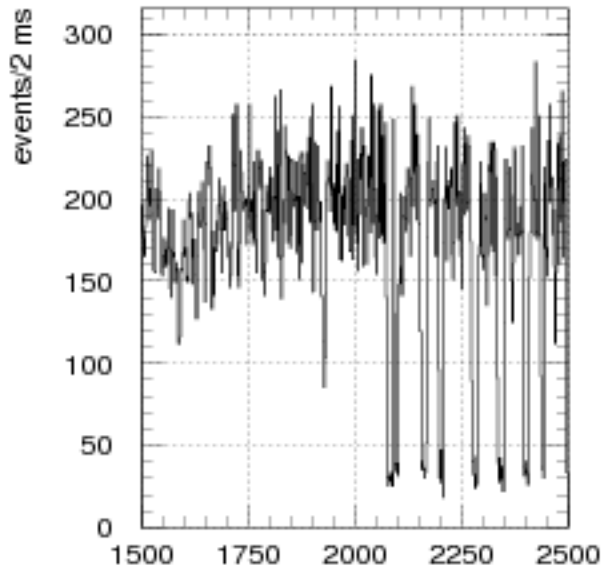


Fig. 2e spill ms

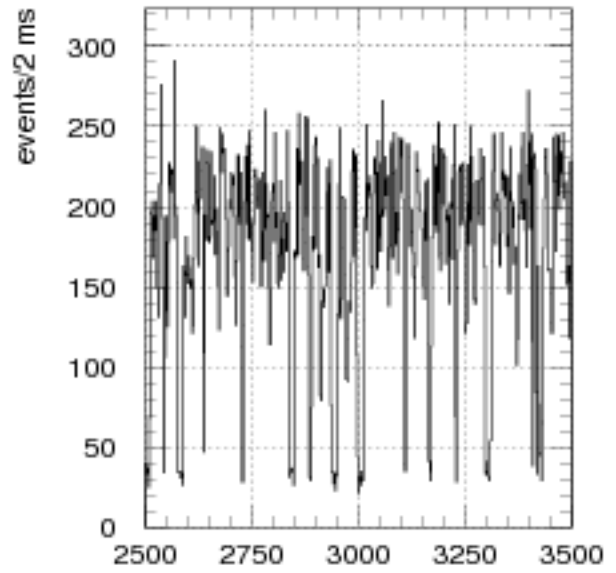


Fig. 2f spill ms

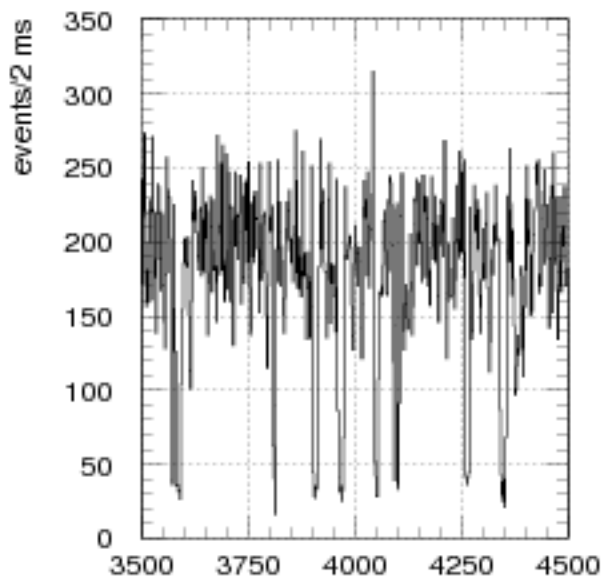


Fig. 2g spill ms

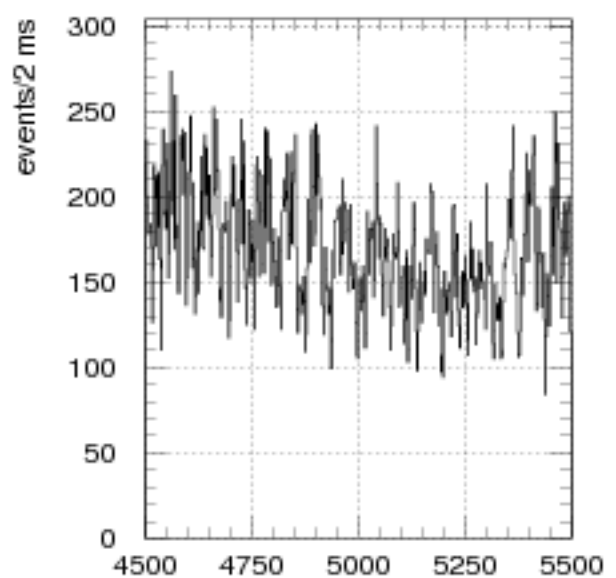


Fig 2h spill ms

## Spill statistics/ms

RUN 12566 BURST 1230

Mean	87.0338	RMS	29.7914
Skewness	-0.705461	+/-	0.0387298
Kurtosis	3.50853	+/-	0.0774597
RMS/sqrt(Mean)	3.19335		
Range/RMS	5.67278		

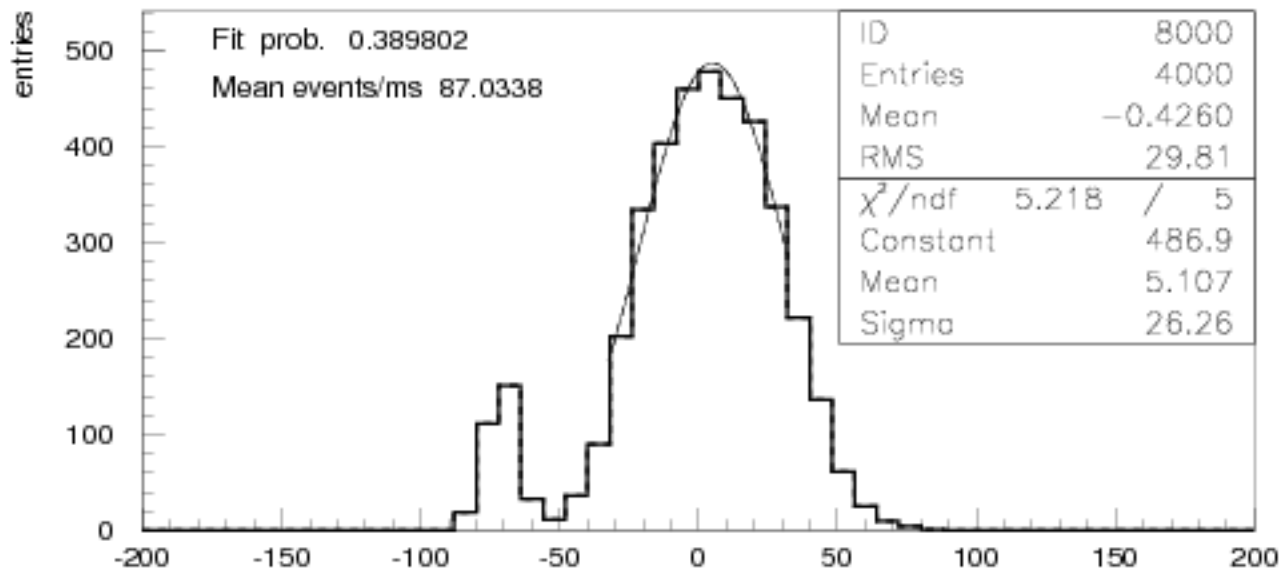


Fig. 3 Spill ( 1.5 - 5.5 sec): distribution of events/ms - mean

Uncorrected folded time (units 25 ns)

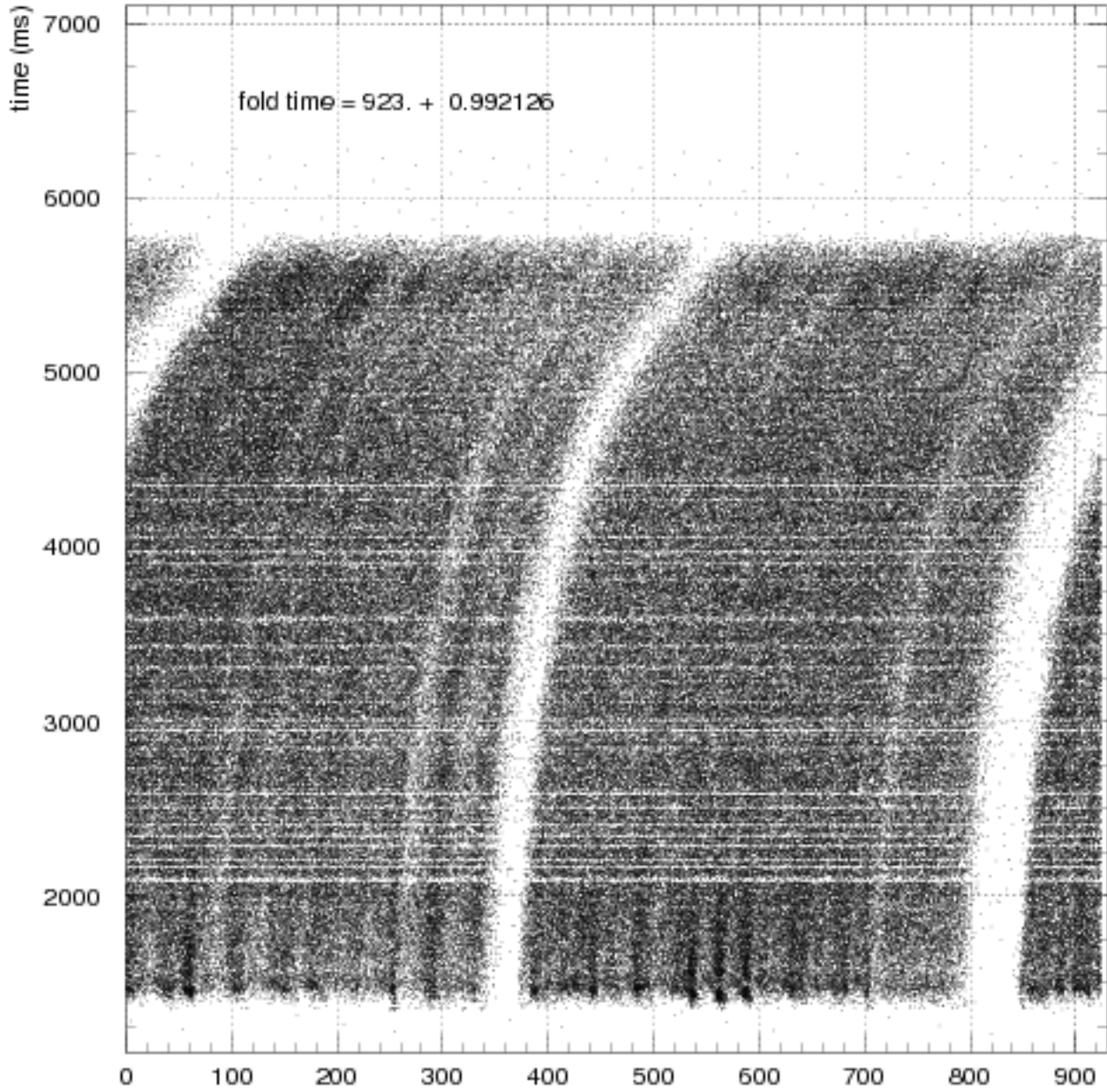


Fig. 4 Folded time/25ns

Cubic-corrected folded time (autocorr.kumac)

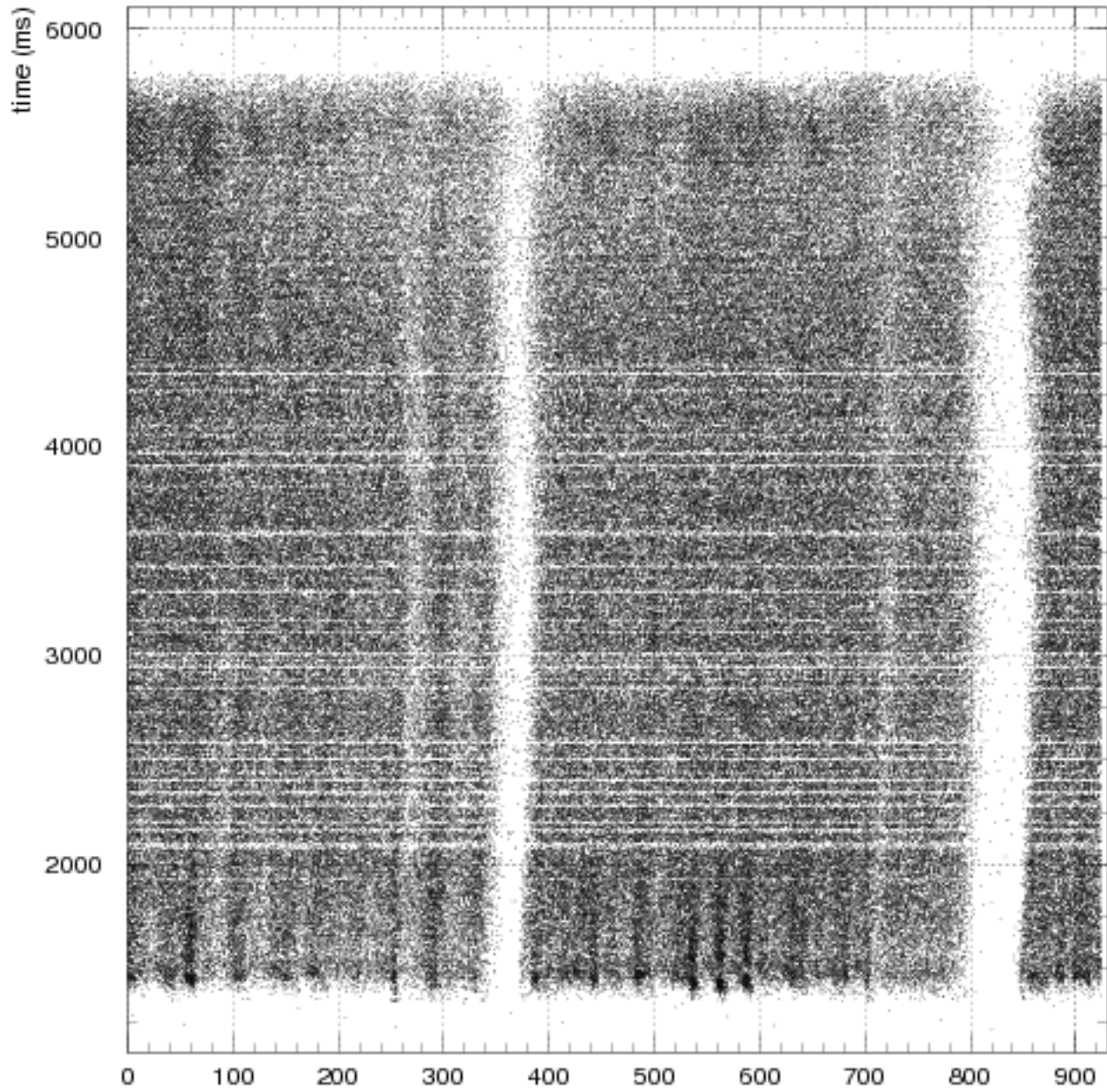


Fig. 5 Corrected folded time/25ns



### Folded Time Distributions

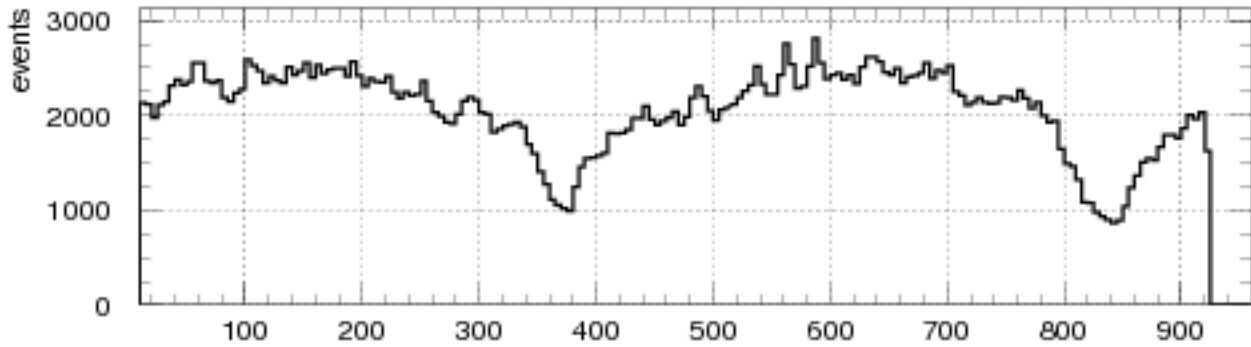


Fig. 6a Uncorrected folded time

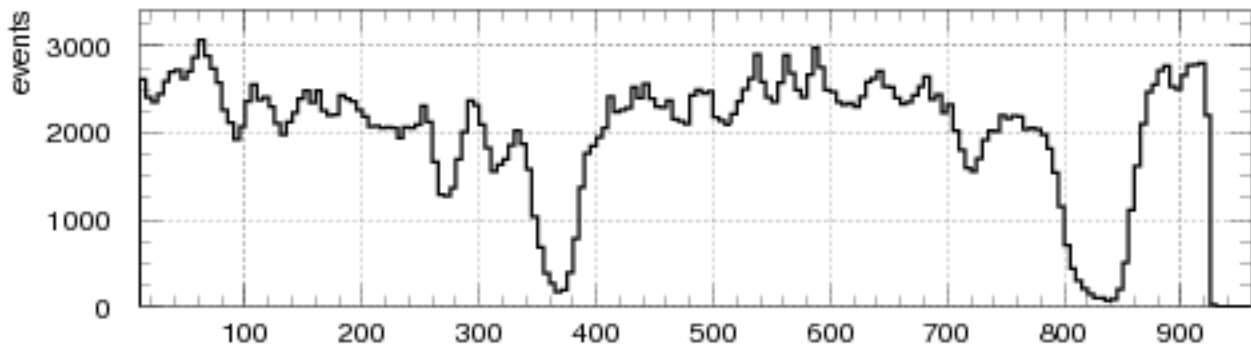


Fig. 6b Corrected folded time

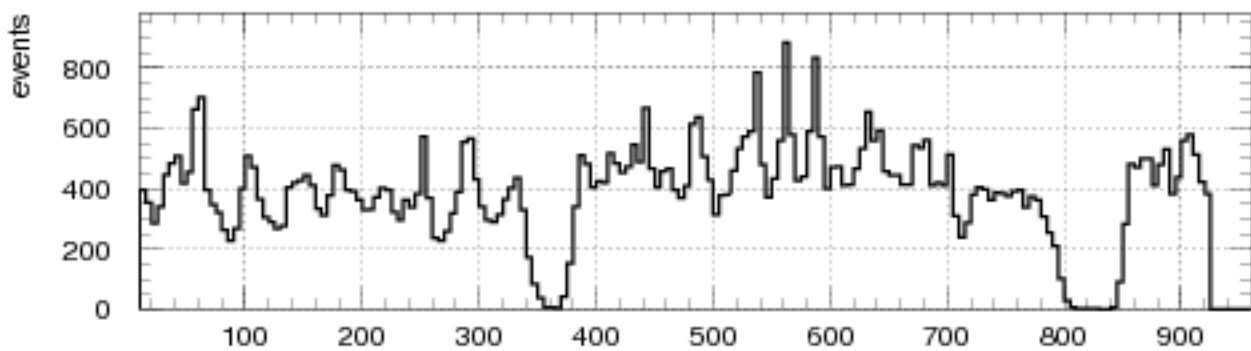


Fig. 6c Uncorrected folded time for 1200-2200 ms spill time

## Folded Time Distributions

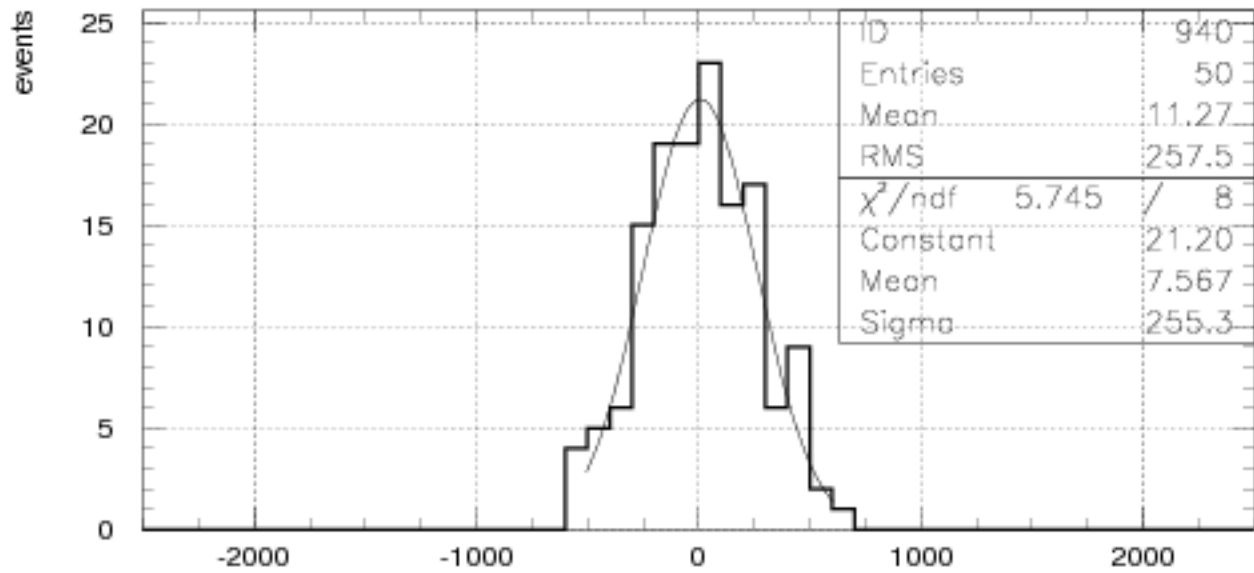


Fig. 6b2 Corrected folded time

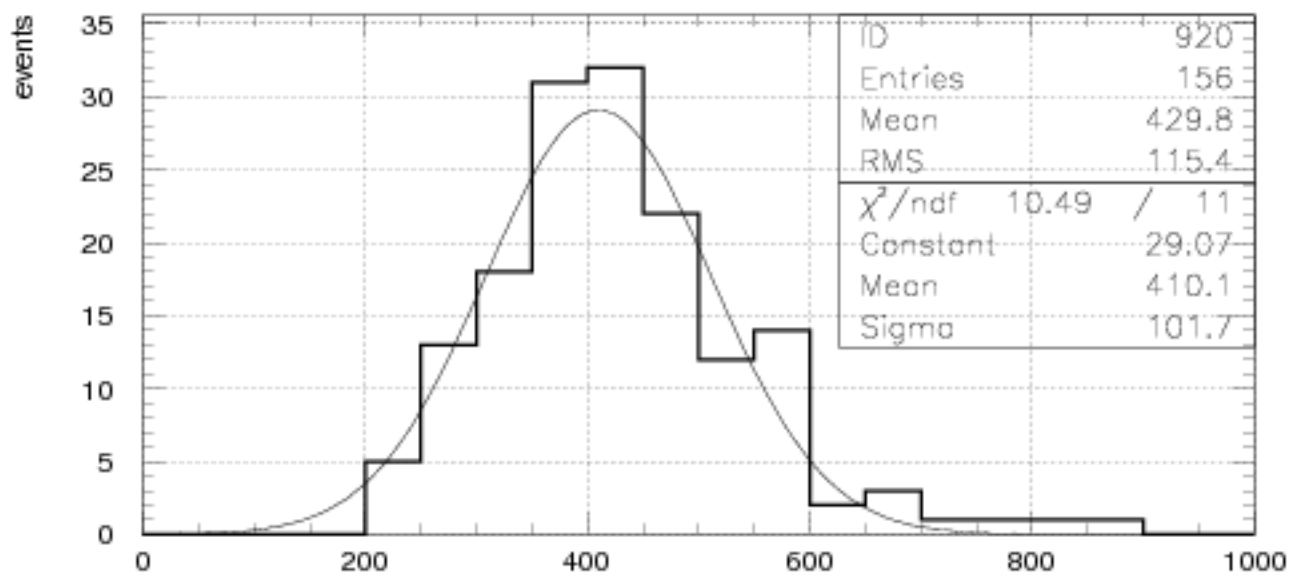


Fig. 6c2 Uncorrected folded time

Sample Autocorrelation Coefficient (1.5 - 5.5 secs) il = 1 iphase =150

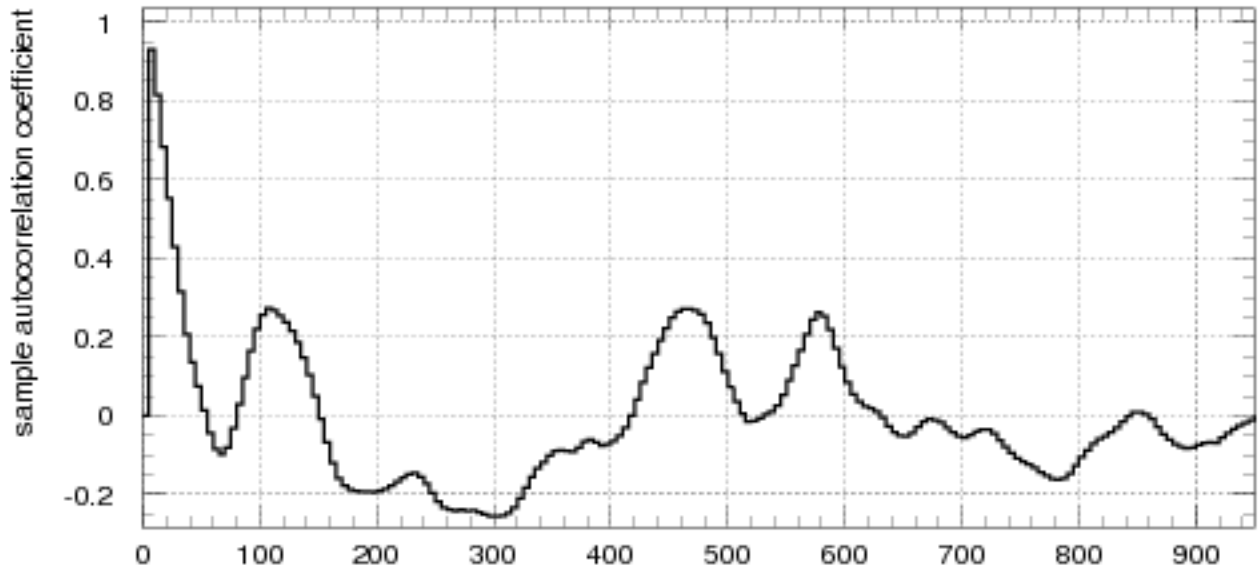


Fig. 7a Time lag (corrected folded time)

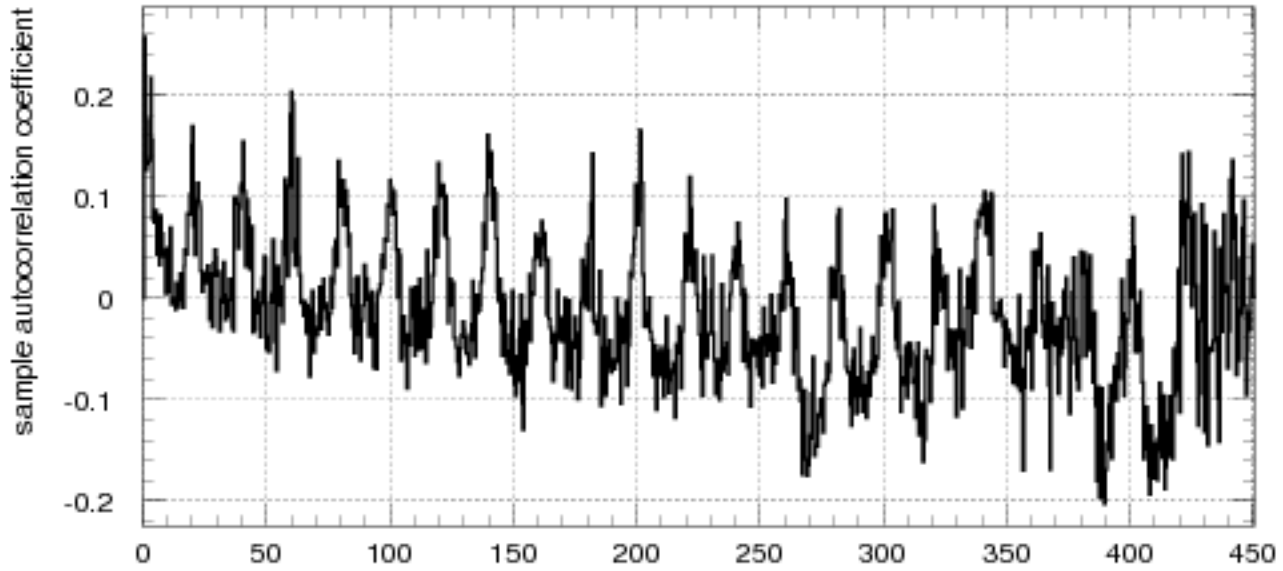


Fig. 7b Time lag (Spill - ms )

### Fourier Transform

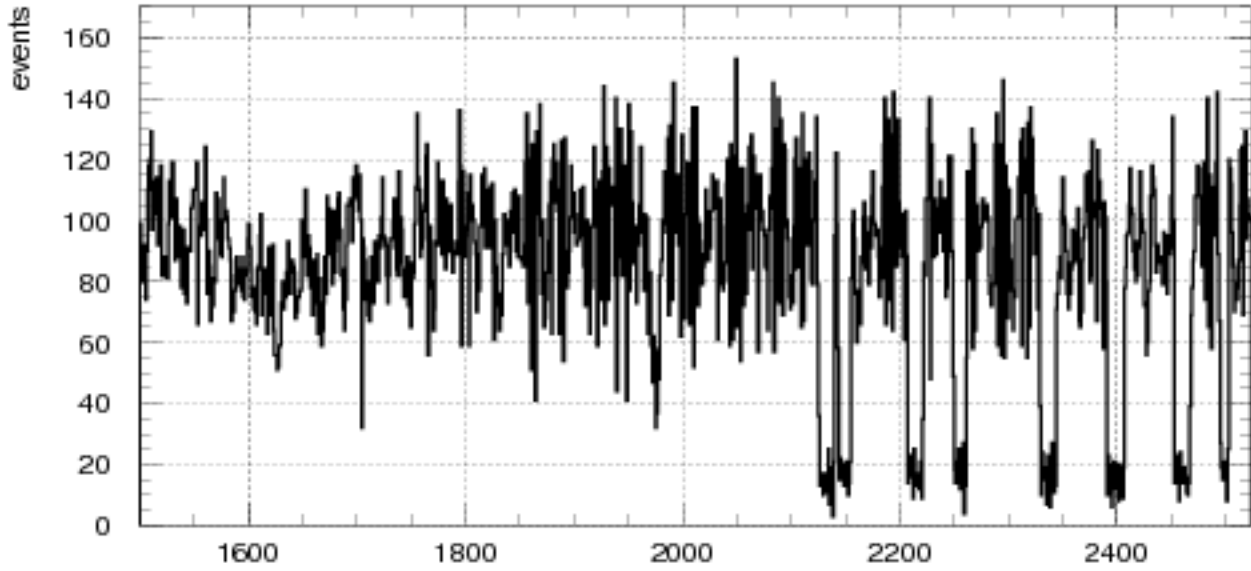


Fig. 8a Time(ms)

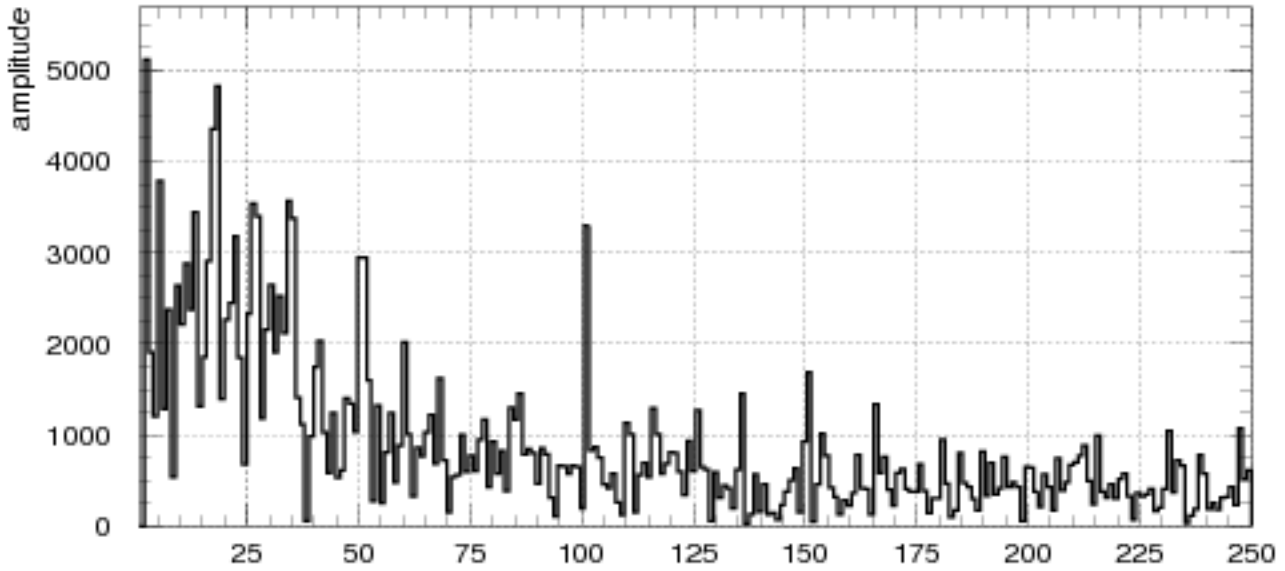


Fig. 8b Frequency(Hz)

SPILL STRUCTURE PLOTS - Spill Time Distribution

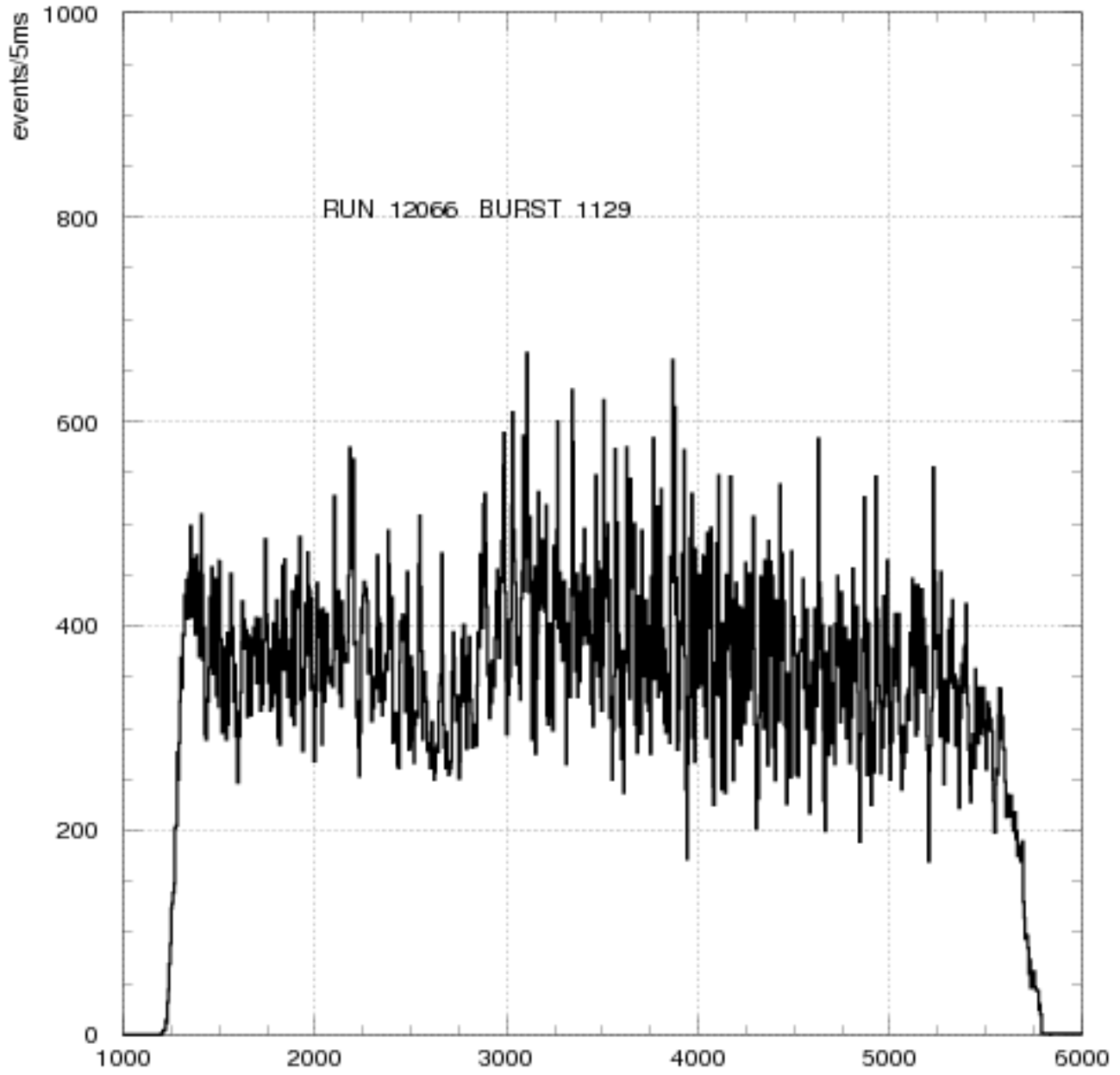


Fig 1. Time (ms)

Spill distribution

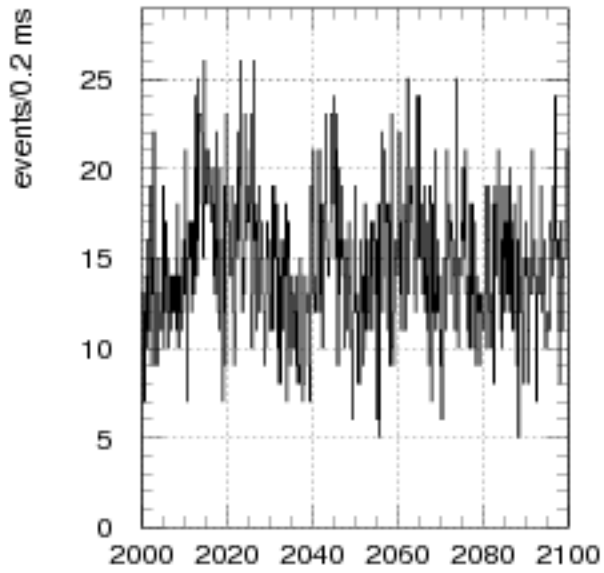


Fig. 2a spill ms

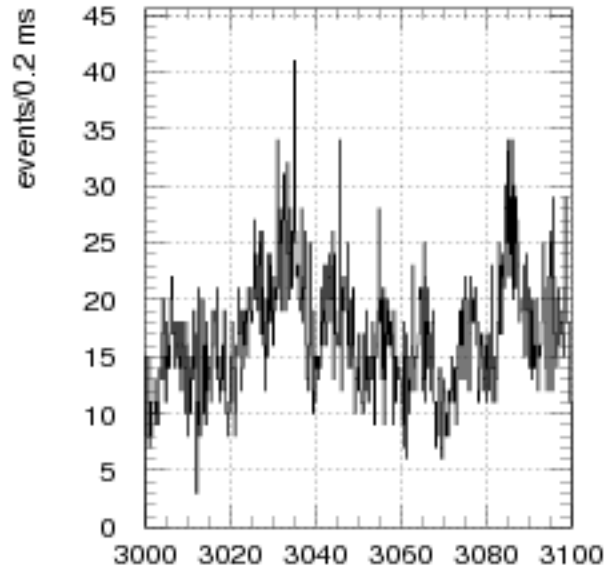


Fig. 2b spill ms

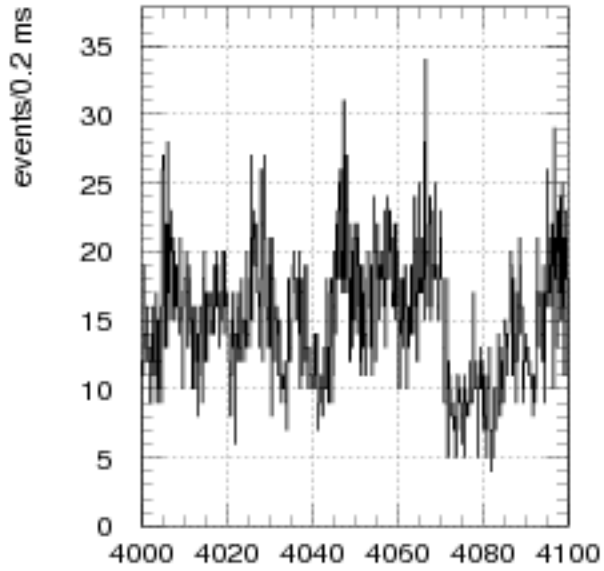


Fig. 2c spill ms

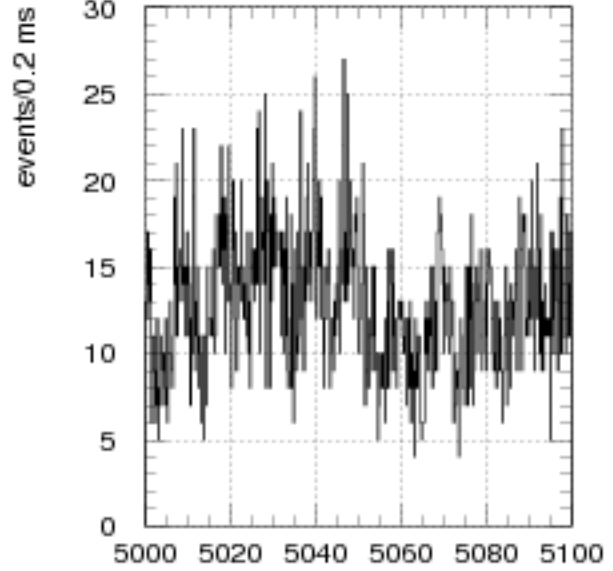


Fig 2d spill ms

Spill distribution

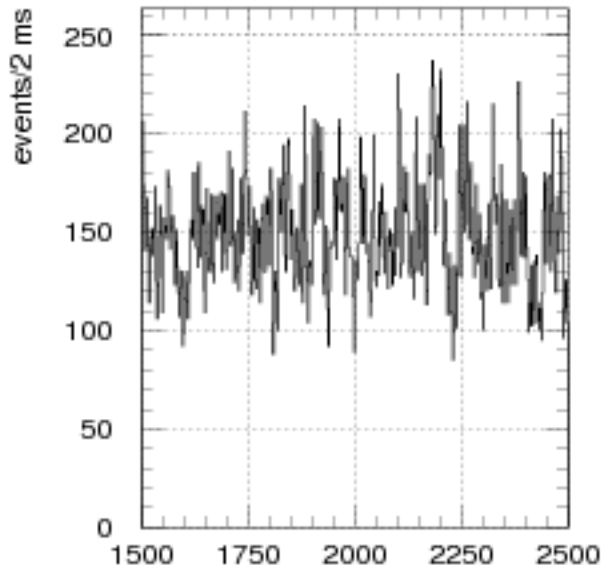


Fig. 2e spill ms

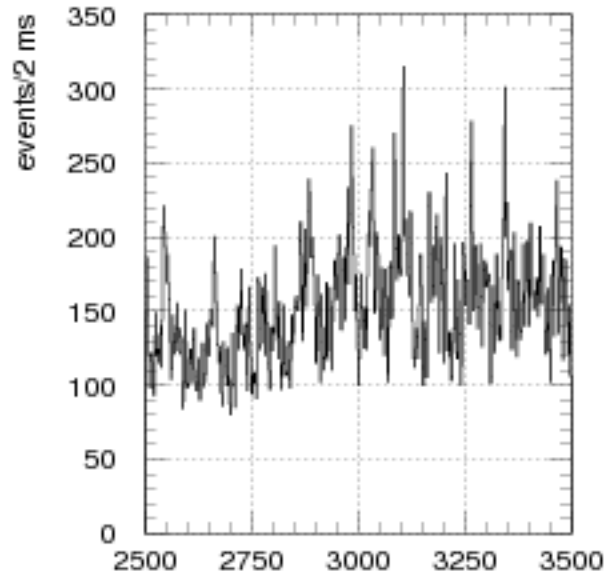


Fig. 2f spill ms

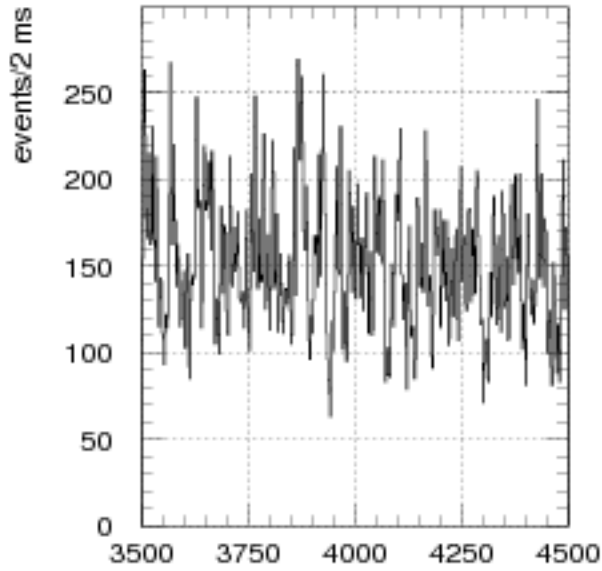


Fig. 2g spill ms

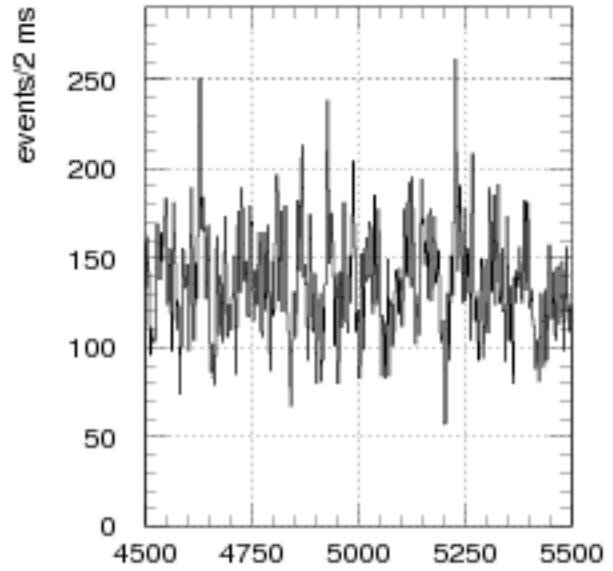


Fig. 2h spill ms

## Spill statistics/ms

RUN 12066 BURST 1129

Mean	73.8098	RMS	18.3509
Skewness	0.645838	+/-	0.0387298
Kurtosis	3.8354	+/-	0.0774597
RMS/sqrt(Mean)	2.13599		
Range/RMS	7.84704		

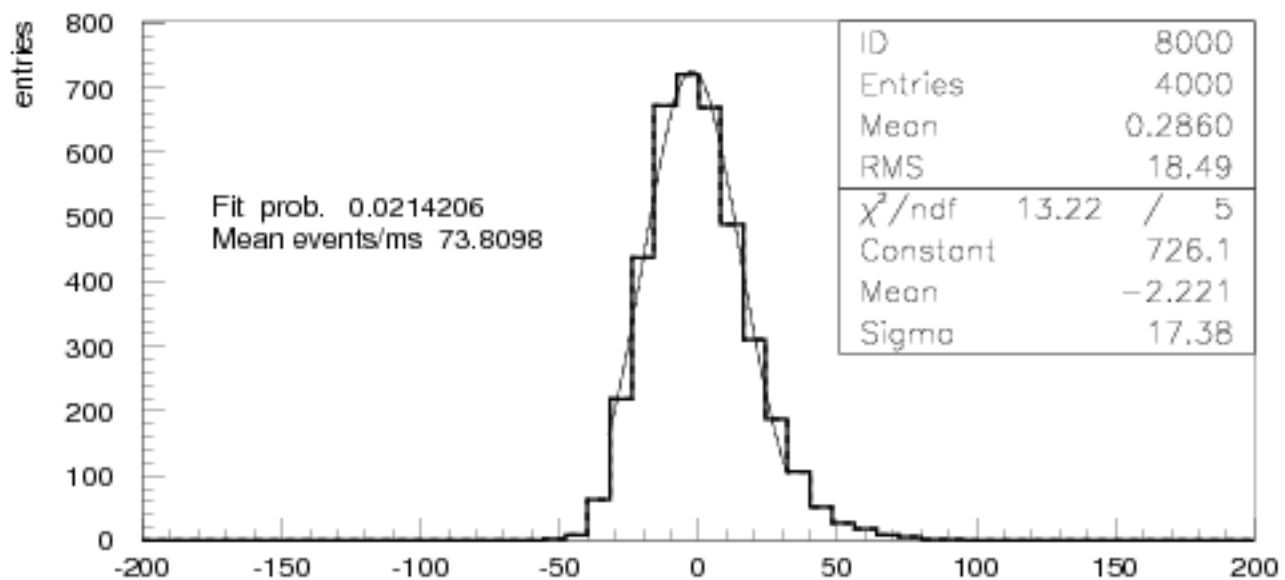


Fig. 3 Spill ( 1.5 - 5.5 sec): distribution of events/ms - mean



Uncorrected folded time (units 25 ns)

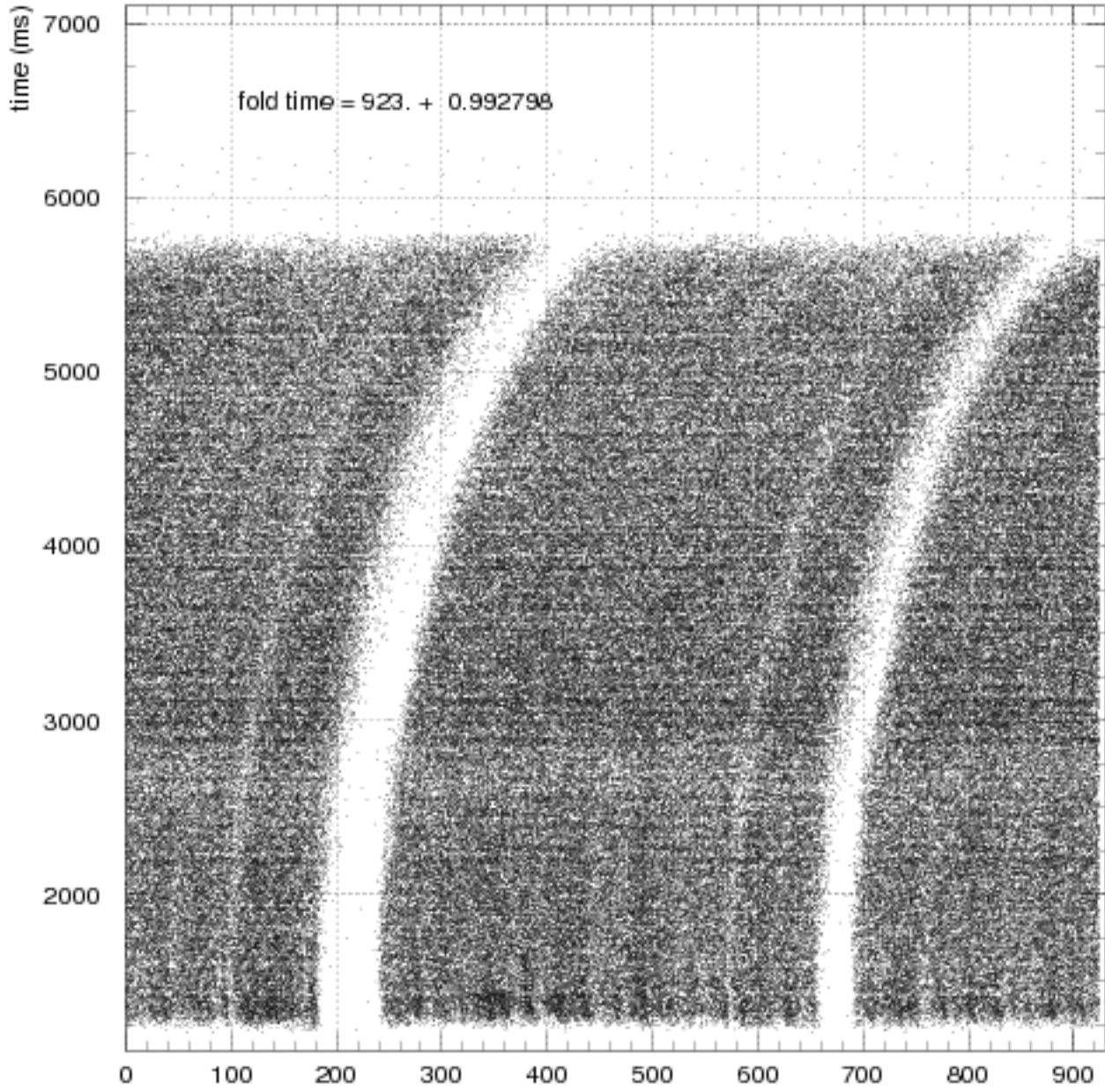


Fig. 4 Folded time/25ns

Cubic-corrected folded time (autocorr.kumac)

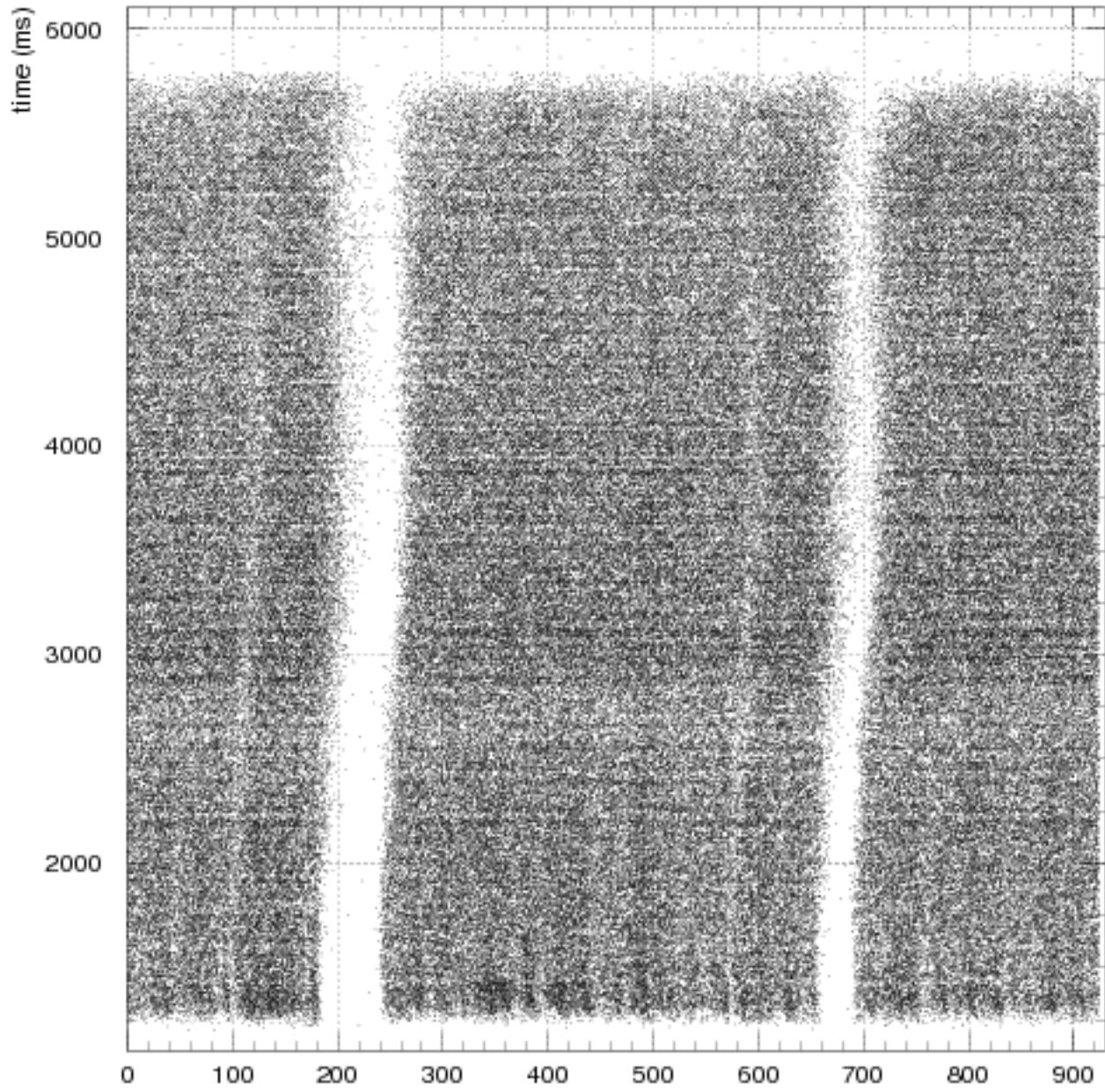


Fig. 5 Corrected folded time/25ns

## Folded Time Distributions

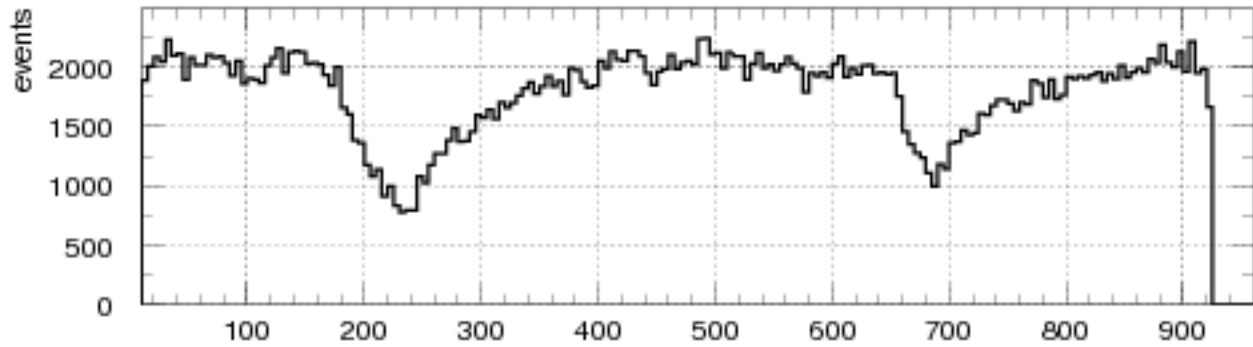


Fig. 6a Uncorrected folded time

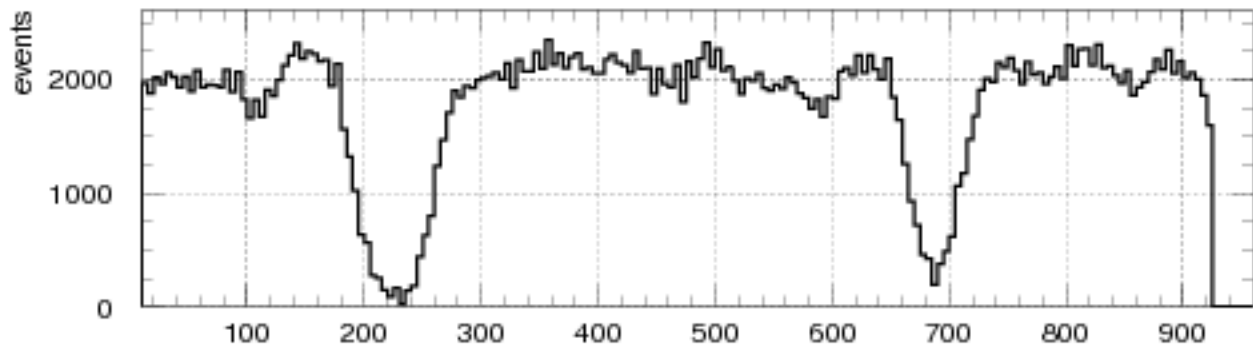


Fig. 6b Corrected folded time

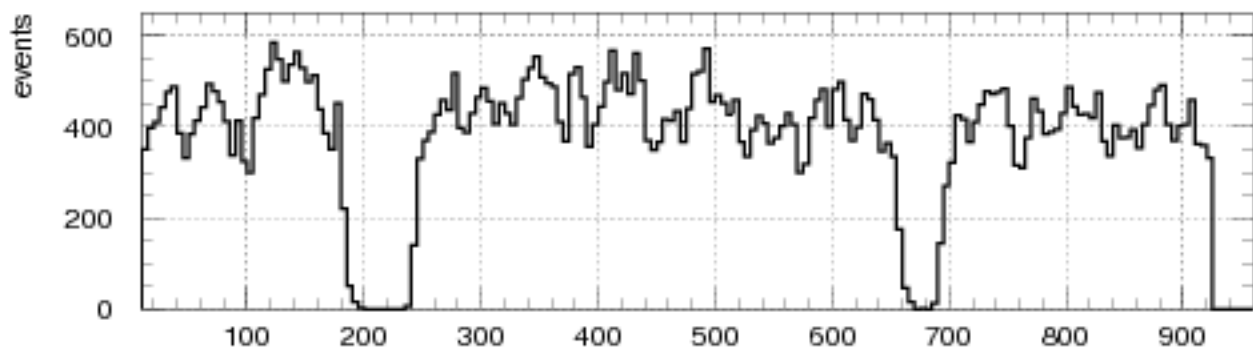


Fig. 6c Uncorrected folded time for 1200-2200 ms spill time

## Folded Time Distributions

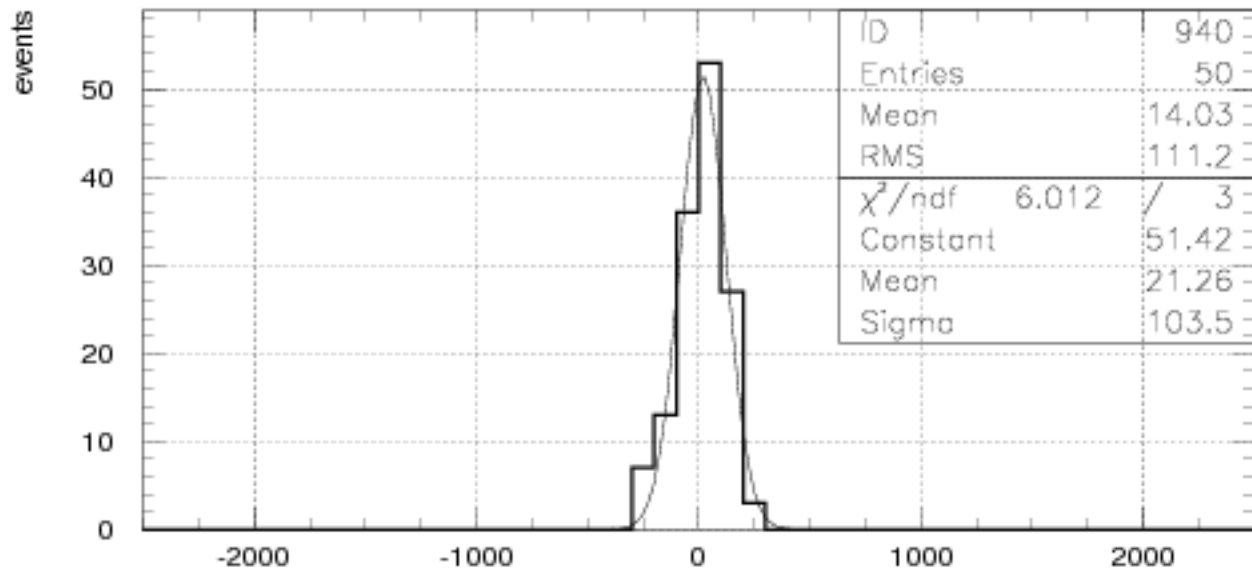


Fig. 6b2 Corrected folded time

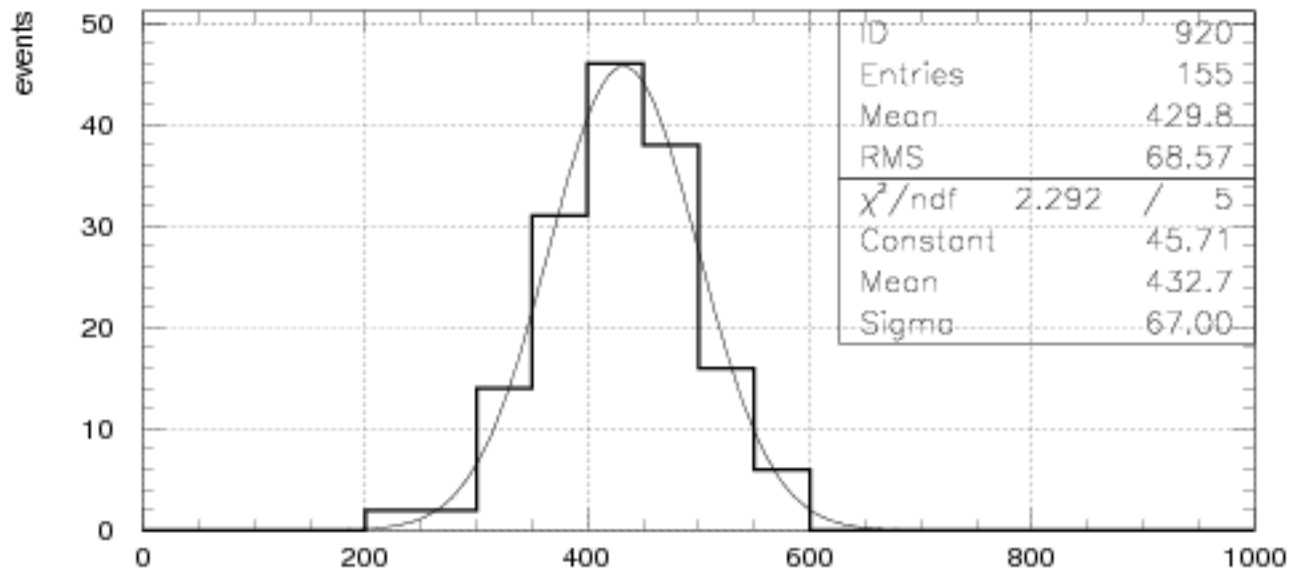


Fig. 6c2 Uncorrected folded time

Sample Autocorrelation Coefficient (1.5 - 5.5 secs) il = 1 iphase =150

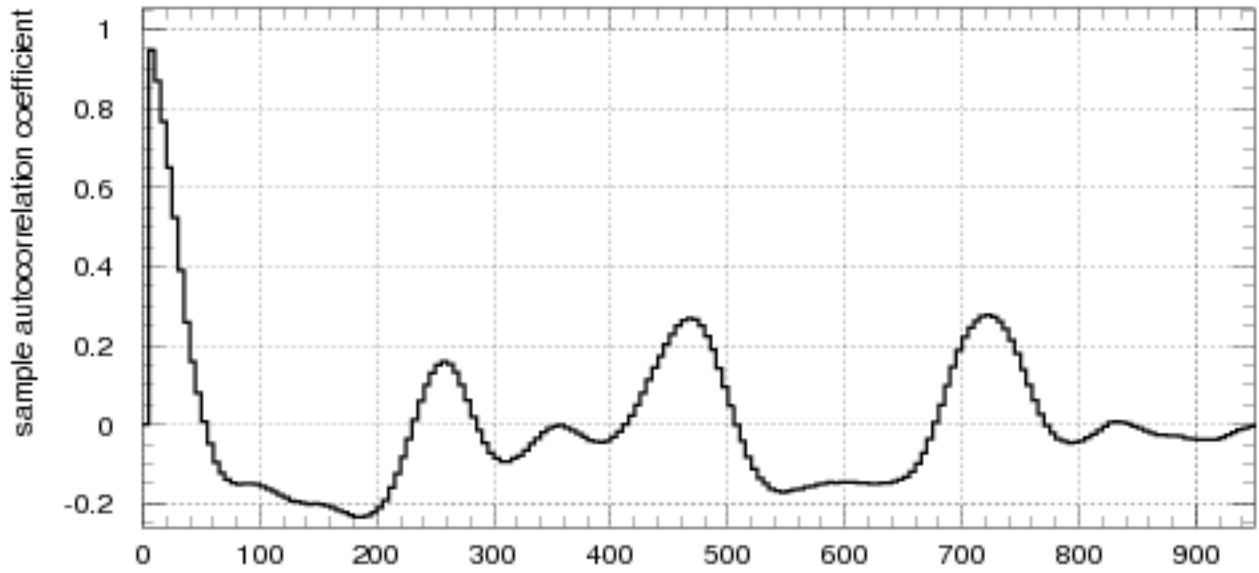


Fig. 7a Time lag (corrected folded time)

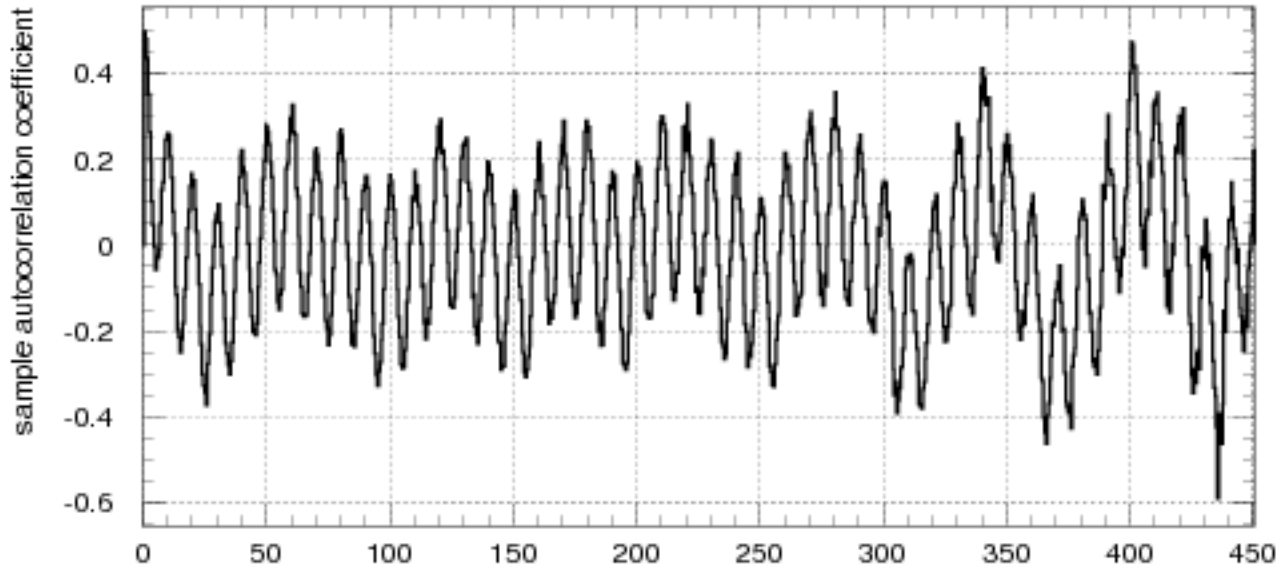


Fig. 7b Time lag (Spill - ms )

### Fourier Transform

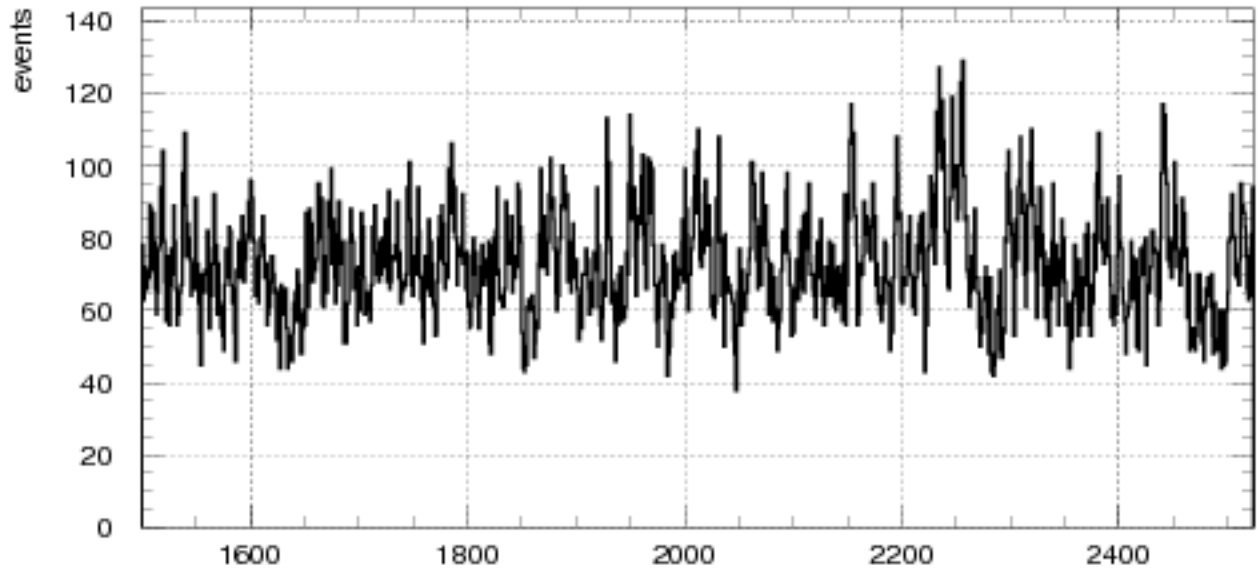


Fig. 8a Time(ms)

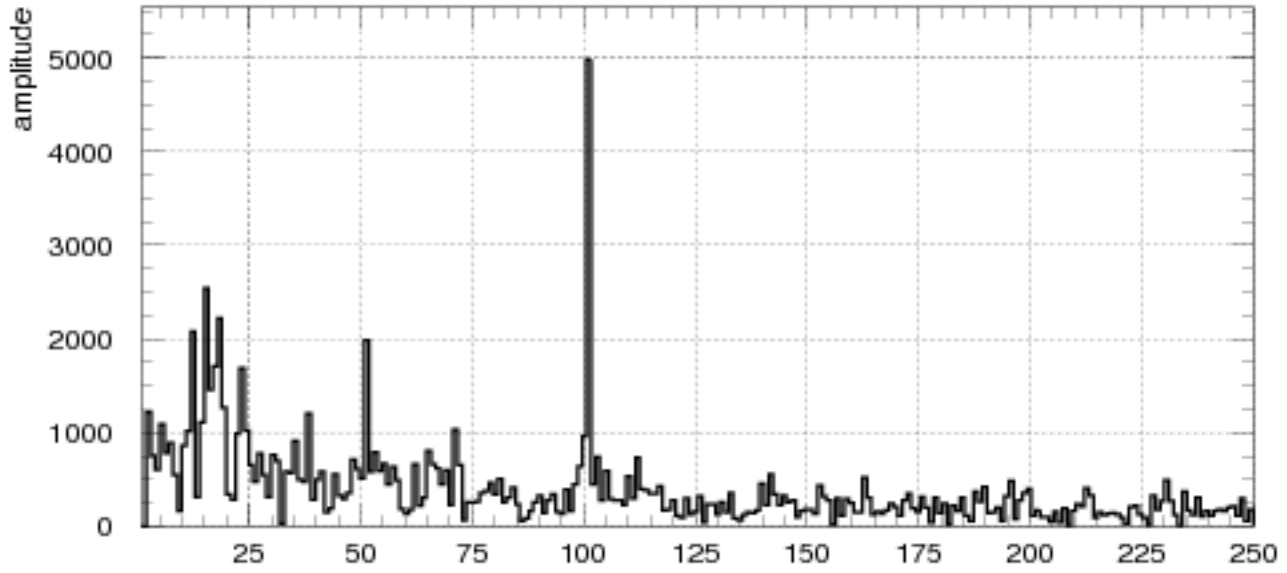


Fig. 8b Frequency(Hz)

SPILL STRUCTURE PLOTS - Spill Time Distribution

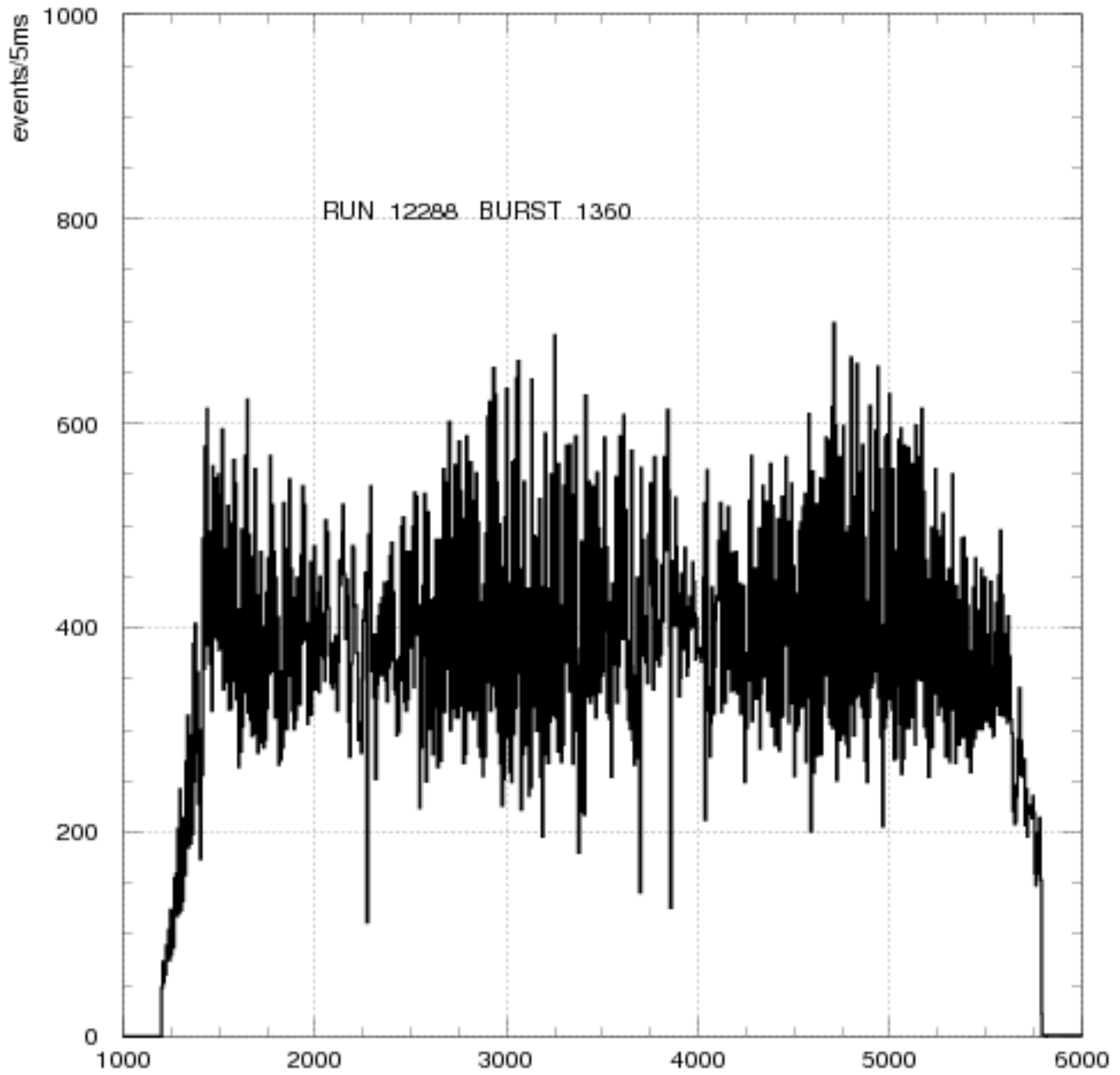


Fig 1. Time (ms)

Spill distribution

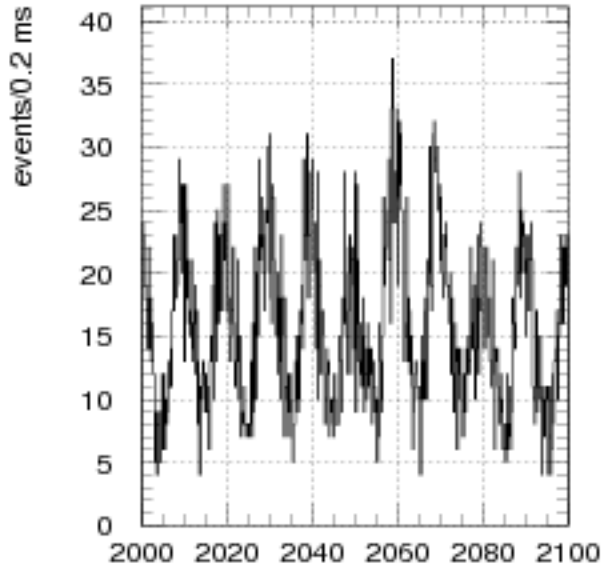


Fig. 2a spill ms

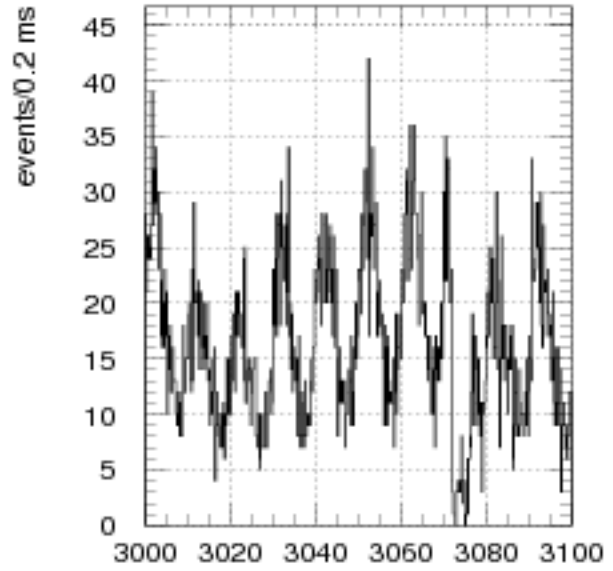


Fig. 2b spill ms

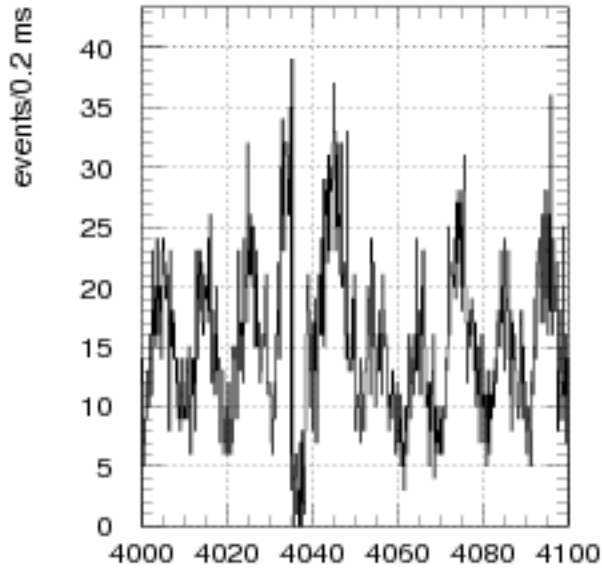


Fig. 2c spill ms

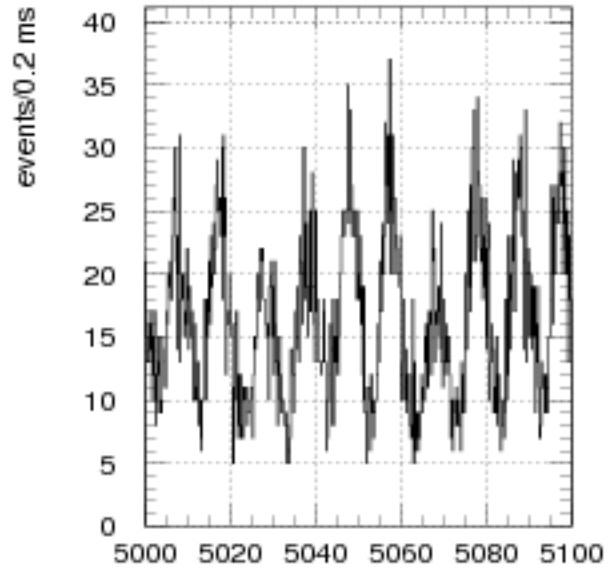


Fig. 2d spill ms



Spill distribution

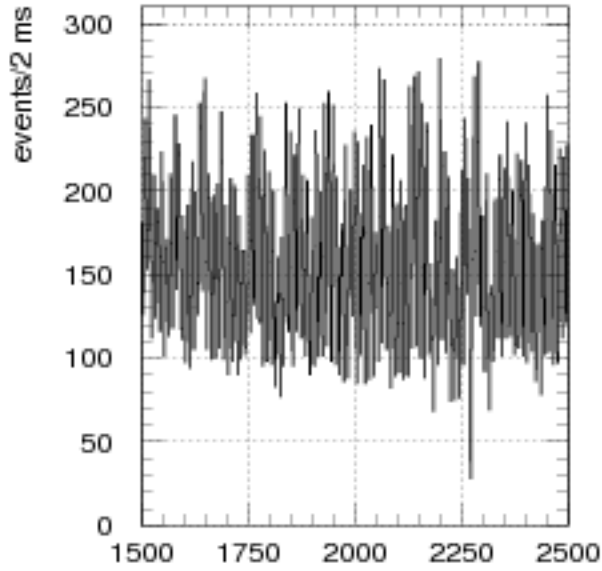


Fig. 2e spill ms

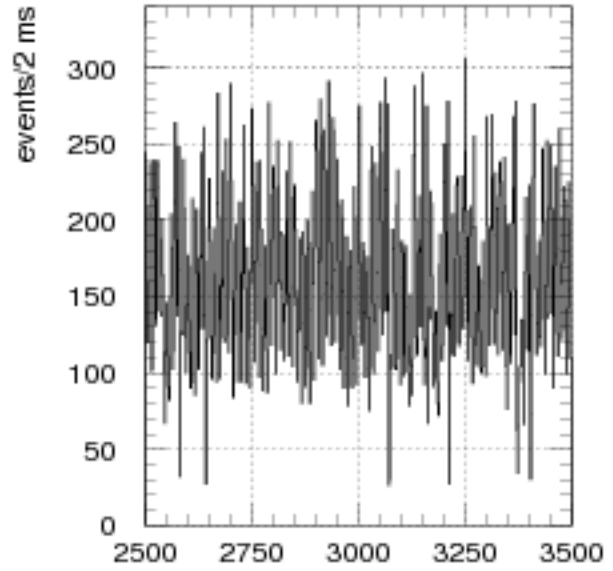


Fig. 2f spill ms

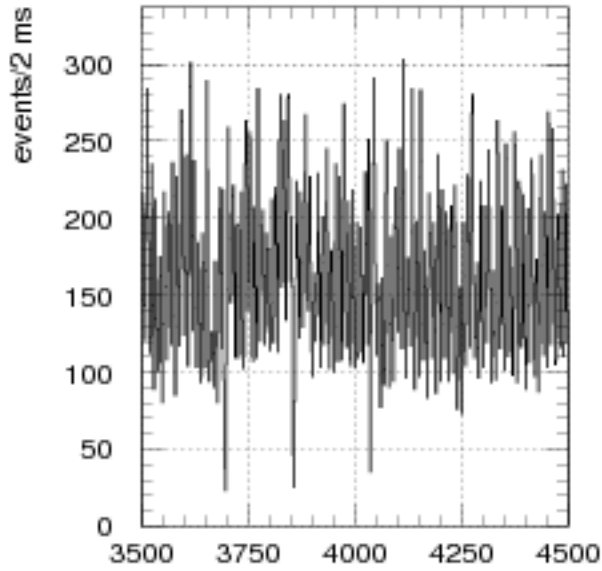


Fig. 2g spill ms

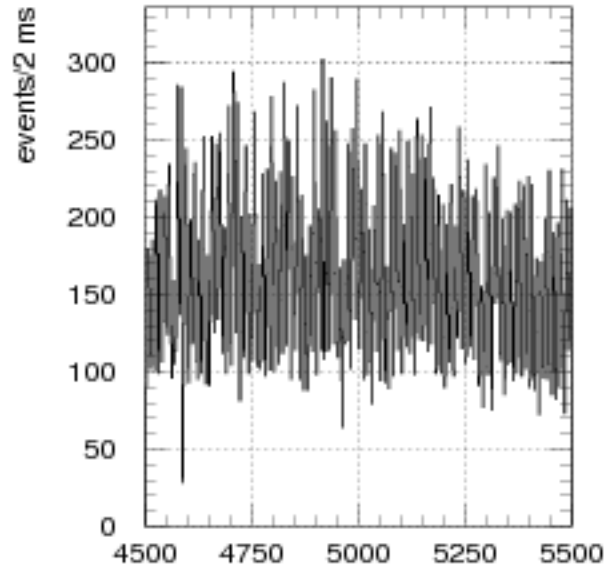


Fig. 2h spill ms

## Spill statistics/ms

RUN 12288 BURST 1360

Mean	80.6292	RMS	28.3703
Skewness	0.359564	+/-	0.0387298
Kurtosis	2.57042	+/-	0.0774597
RMS/sqrt(Mean)	3.15949		
Range/RMS	6.20367		

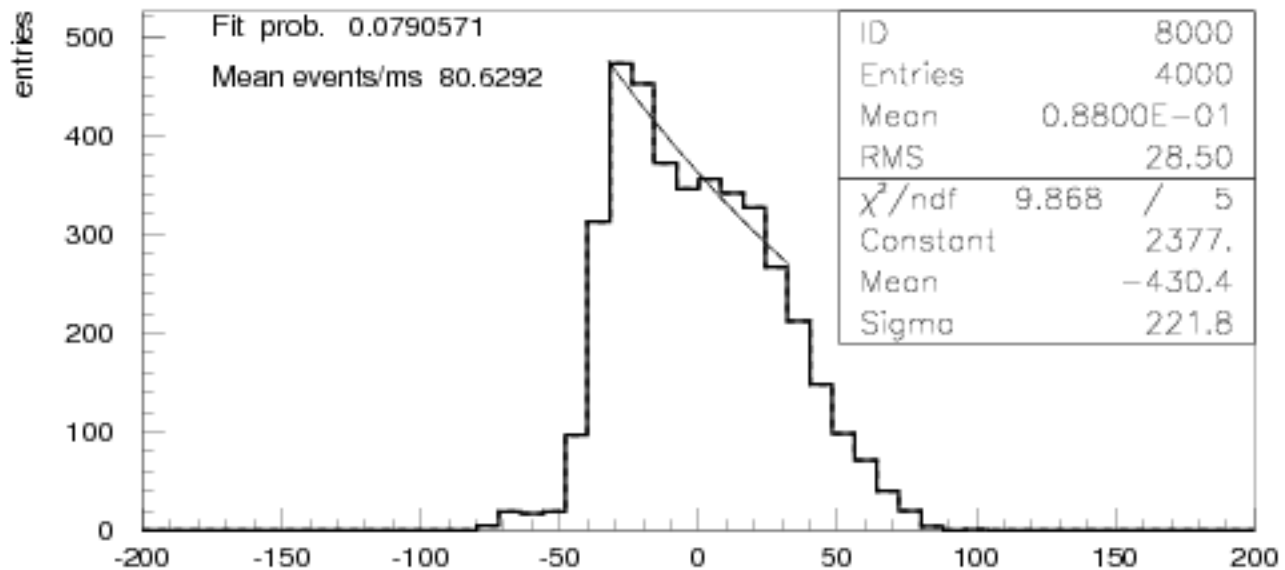


Fig. 3 Spill ( 1.5 - 5.5 sec): distribution of events/ms - mean

Uncorrected folded time (units 25 ns)

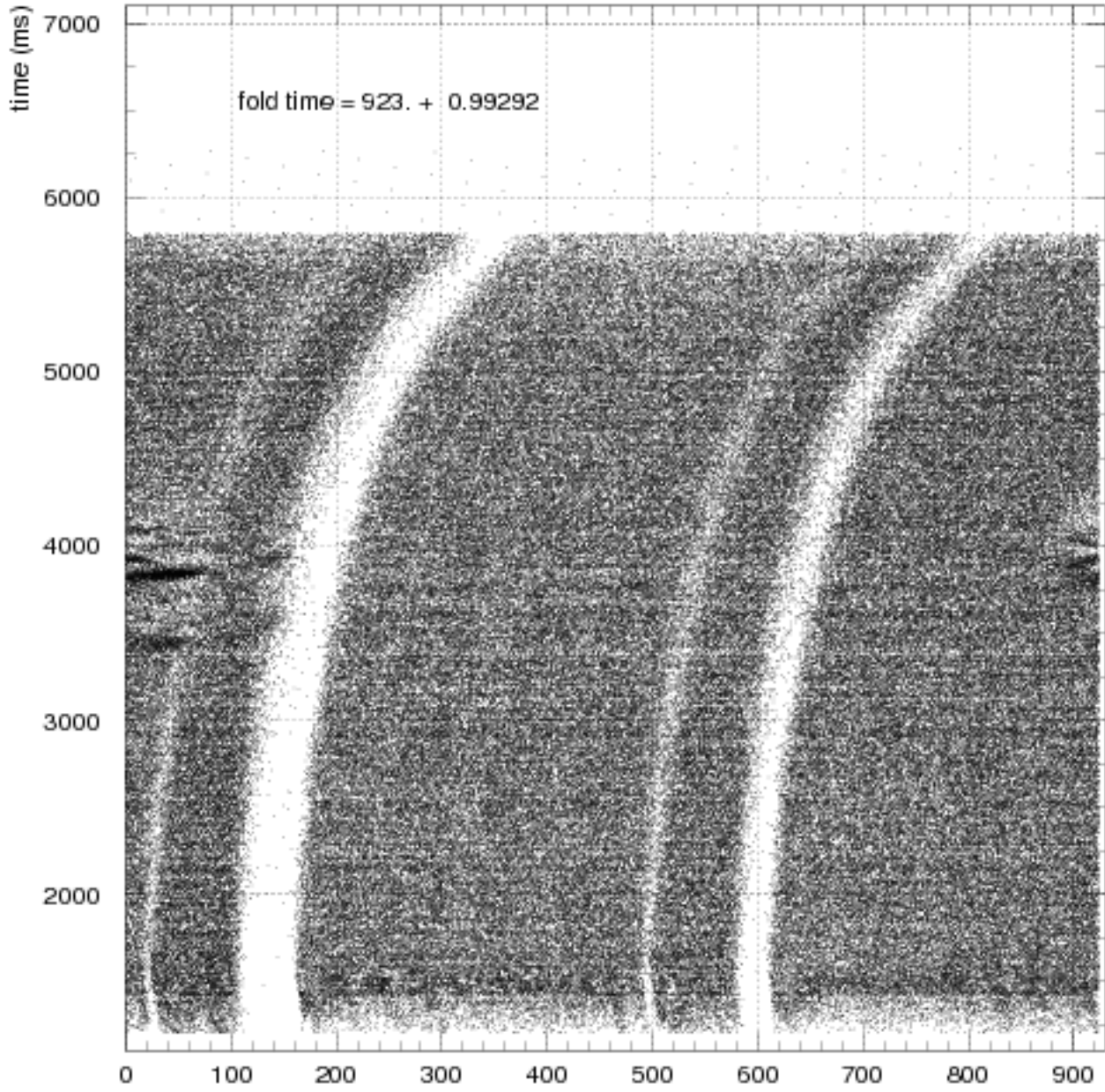


Fig. 4 Folded time/25ns

Cubic-corrected folded time (autocorr.kumac)

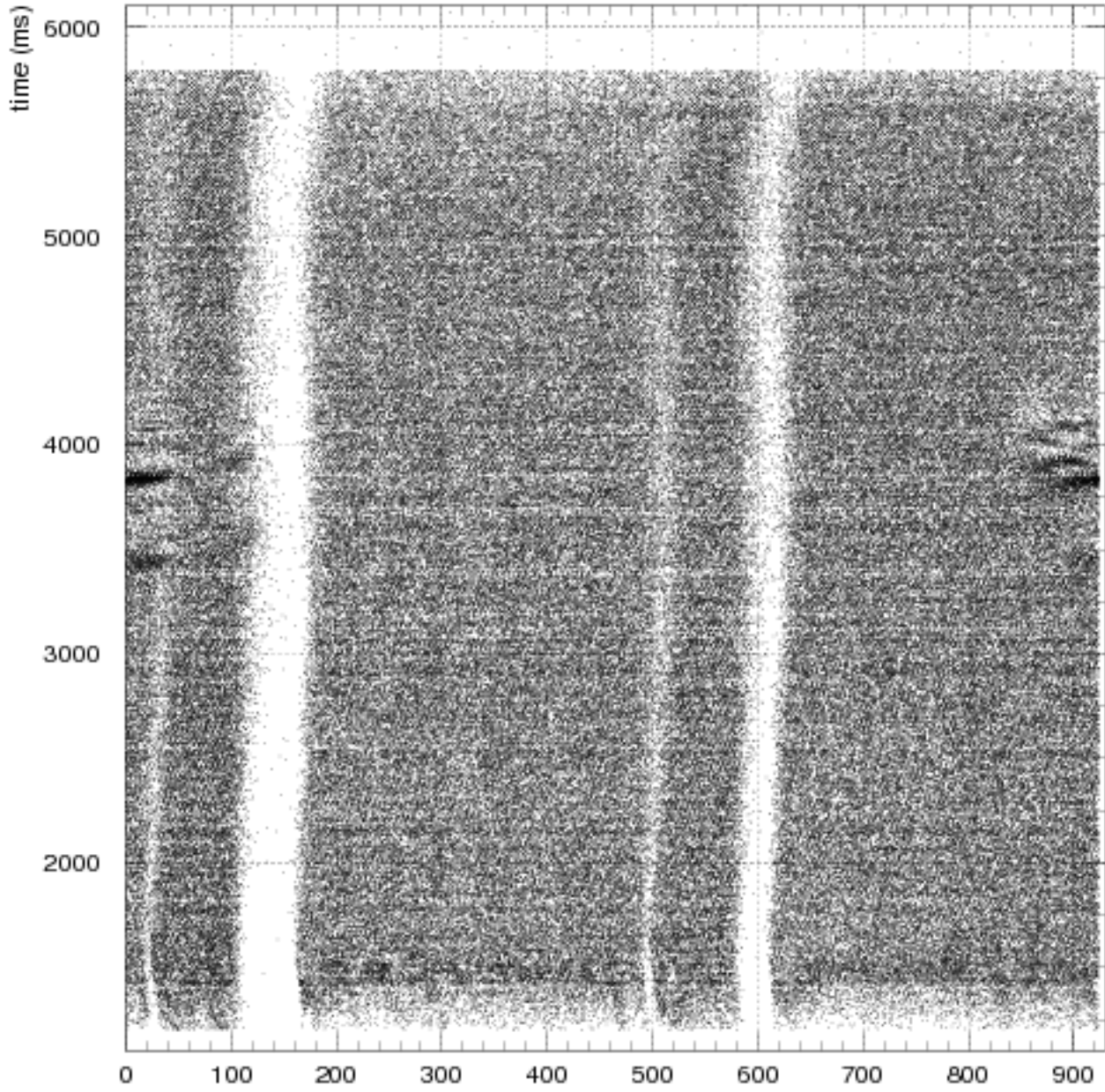


Fig. 5 Corrected folded time/25ns

### Folded Time Distributions

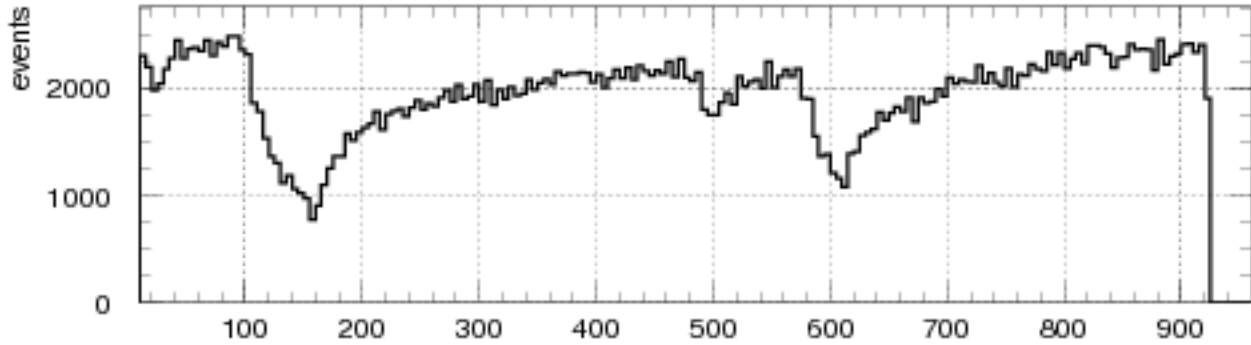


Fig. 6a Uncorrected folded time

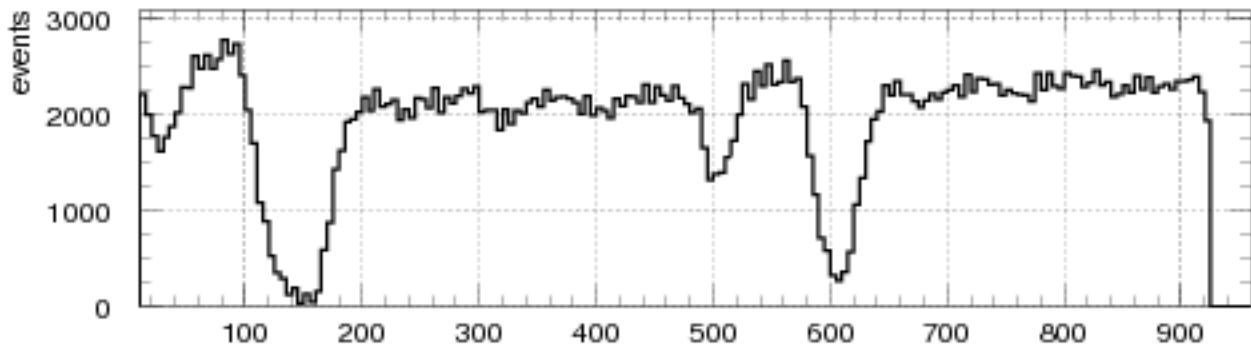


Fig. 6b Corrected folded time

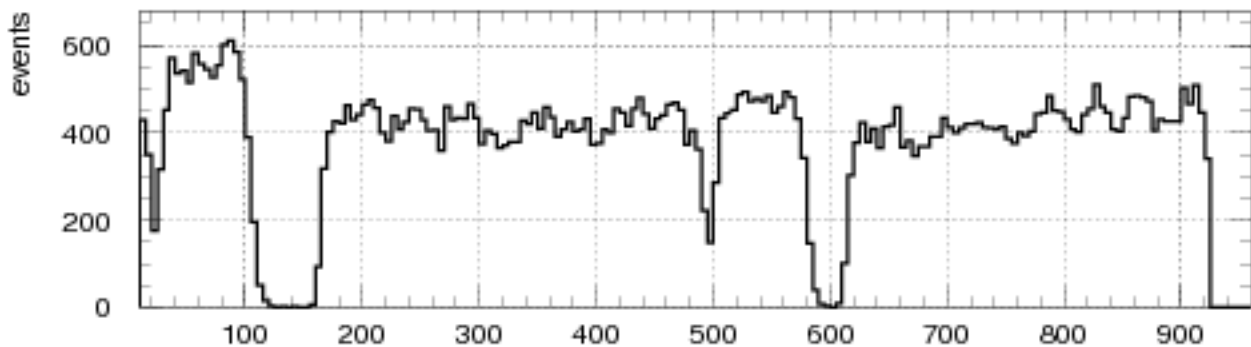


Fig. 6c Uncorrected folded time for 1200-2200 ms spill time

## Folded Time Distributions

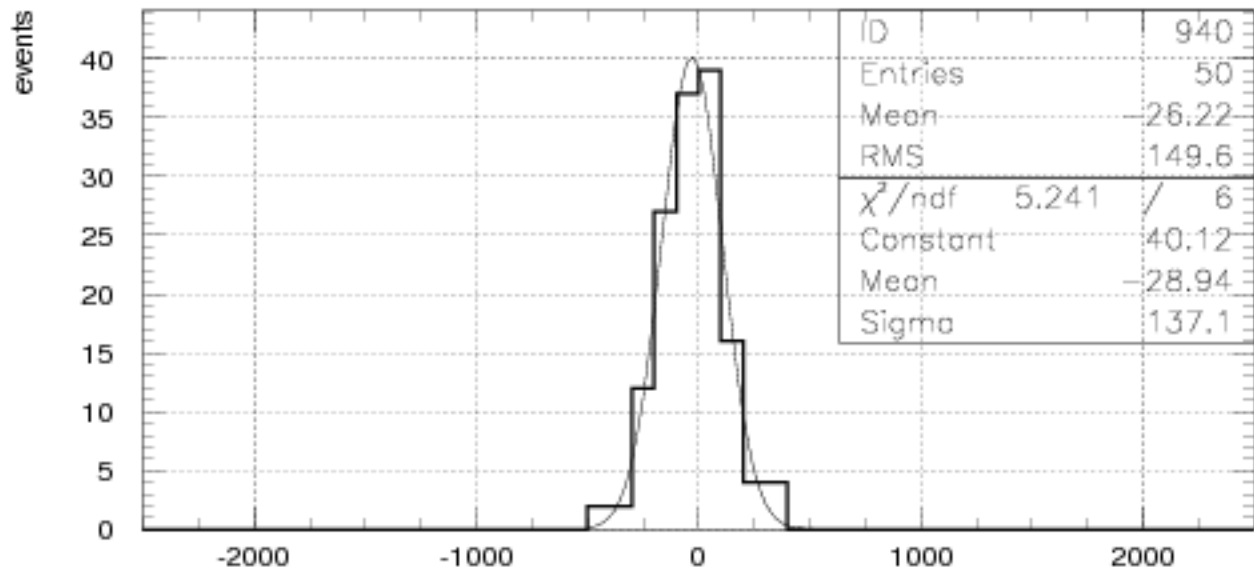


Fig. 6b2 Corrected folded time

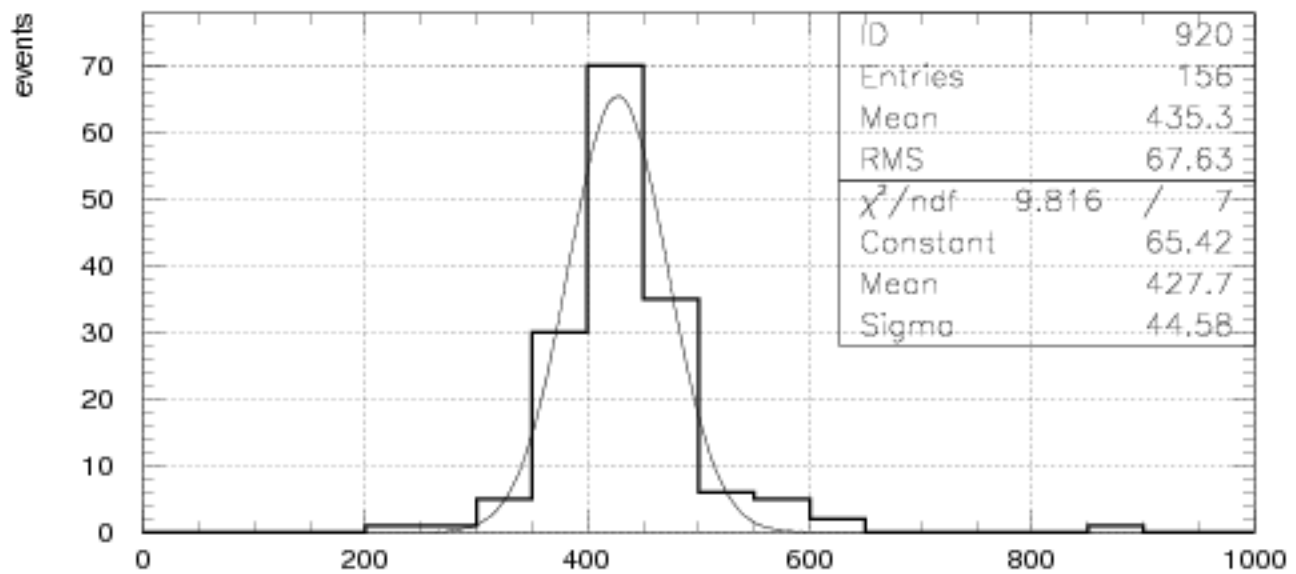


Fig. 6c2 Uncorrected folded time

Sample Autocorrelation Coefficient (1.5 - 5.5 secs) il = 1 iphase =150

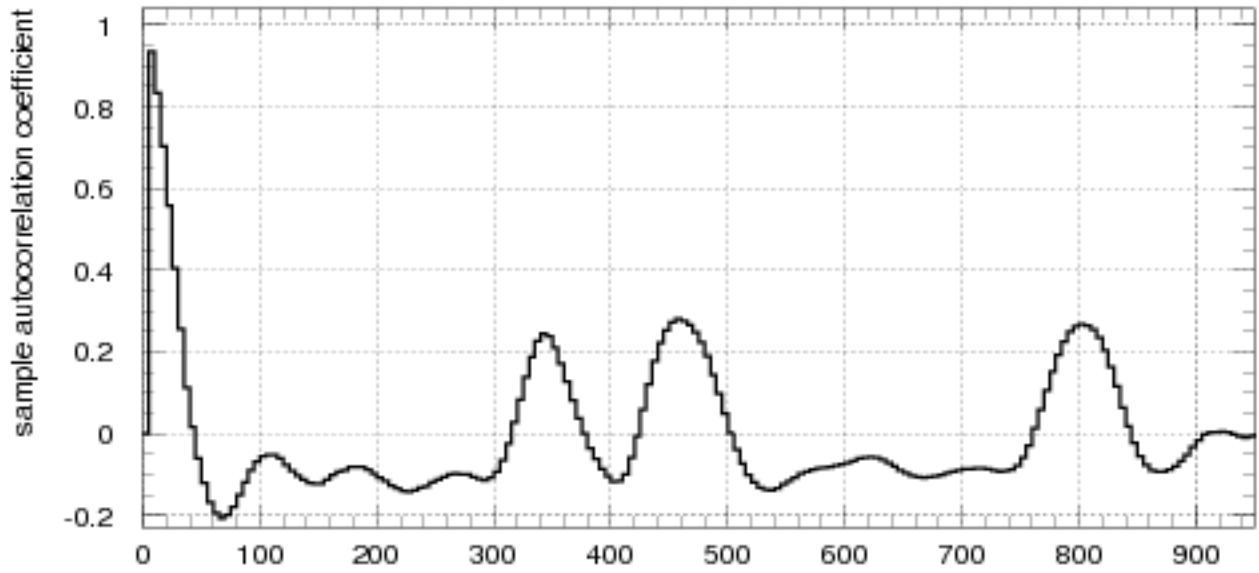


Fig. 7a Time lag (corrected folded time)

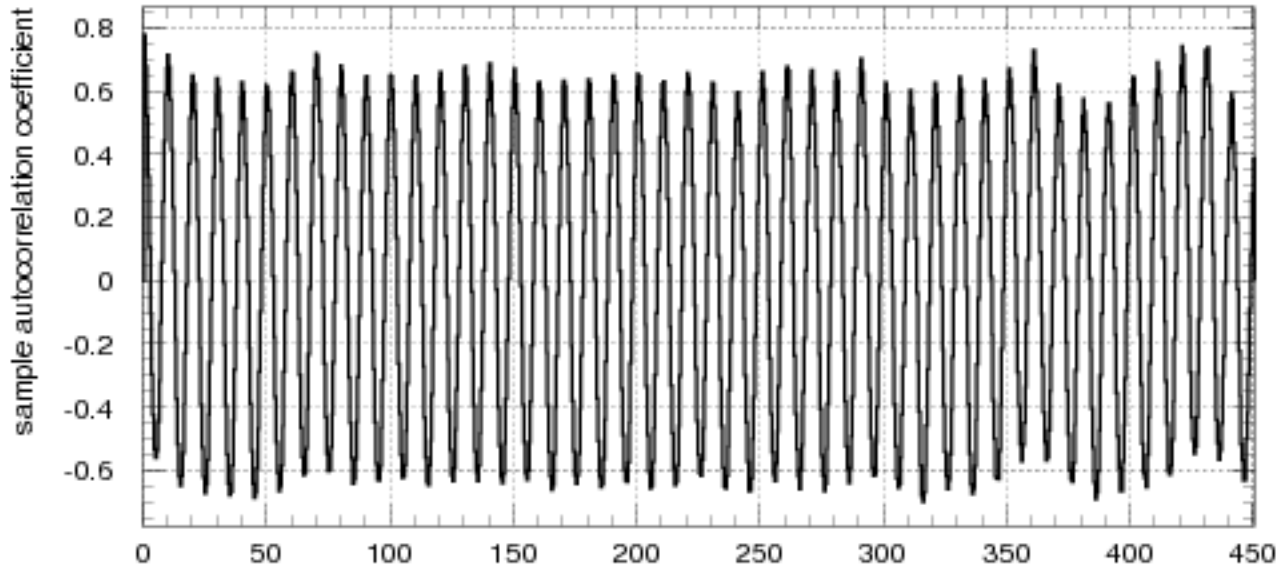


Fig. 7b Time lag (Spill - ms )

### Fourier Transform

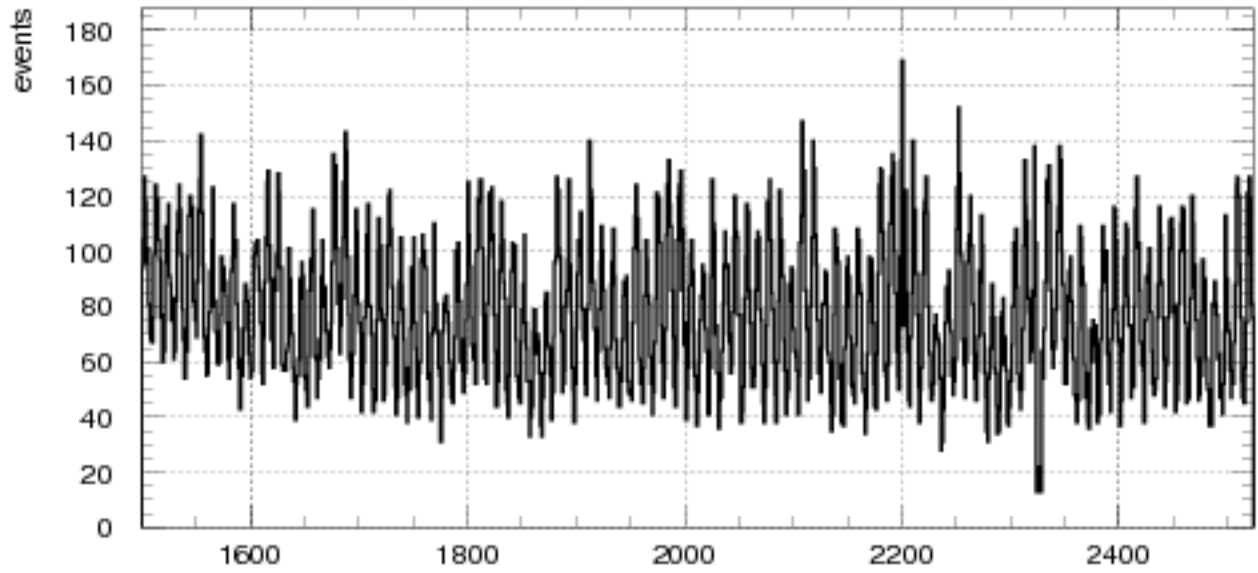


Fig. 8a Time(ms)

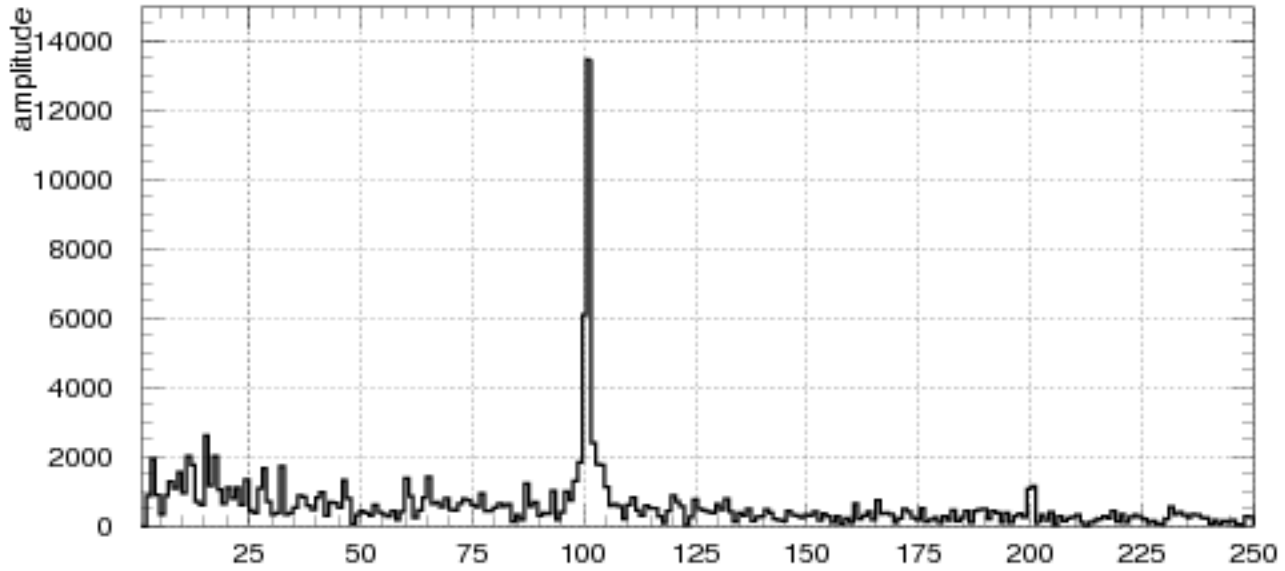


Fig. 8b Frequency(Hz)



SPILL STRUCTURE PLOTS - Spill Time Distribution

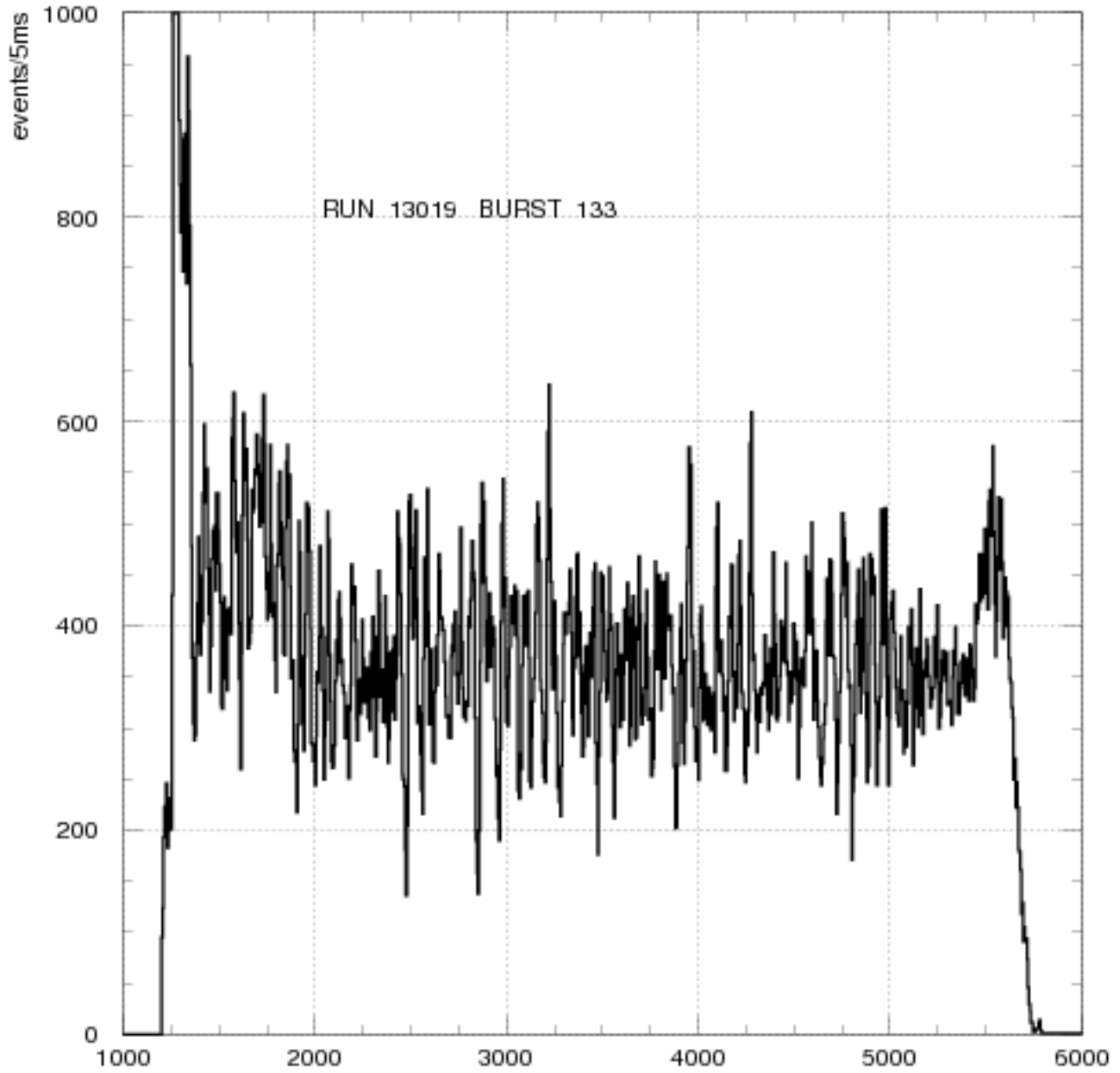


Fig 1. Time (ms)

Spill distribution

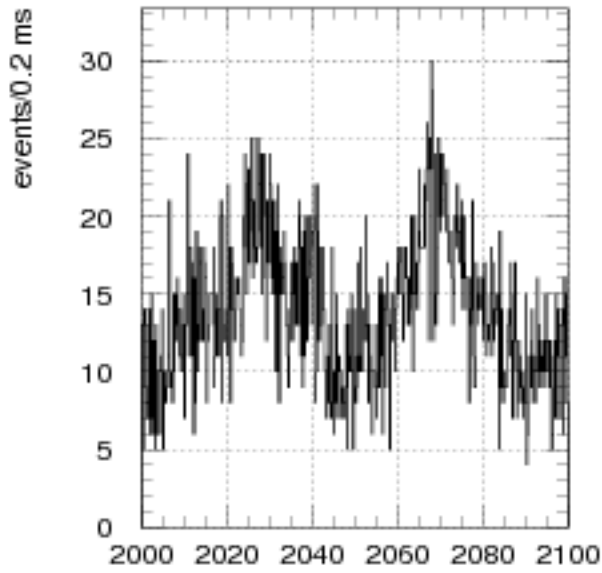


Fig. 2a spill ms

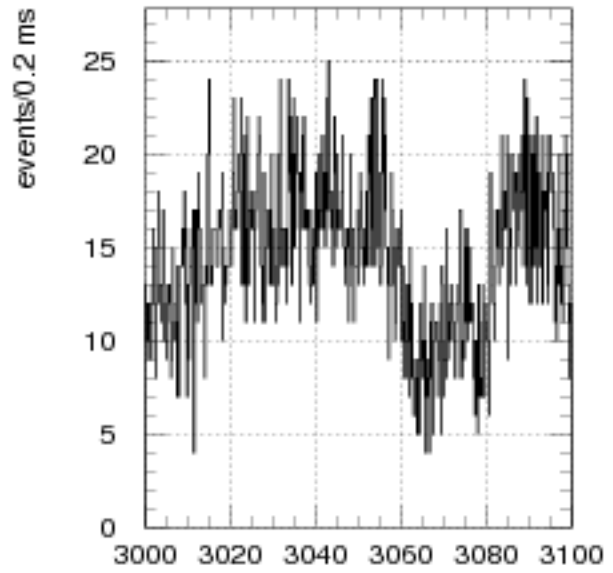


Fig. 2b spill ms

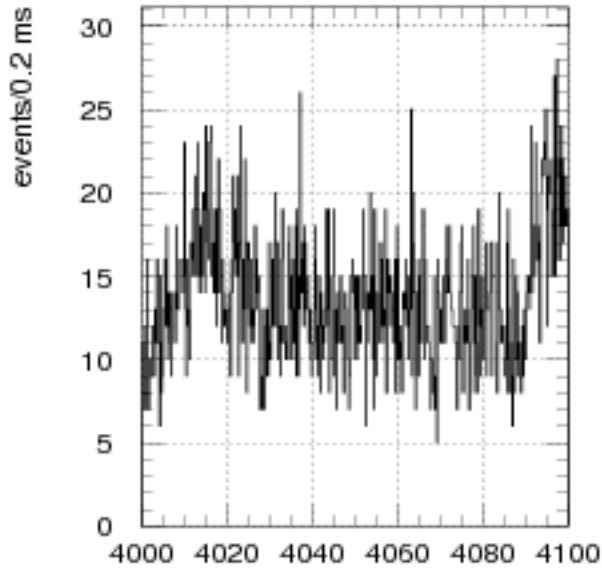


Fig. 2c spill ms

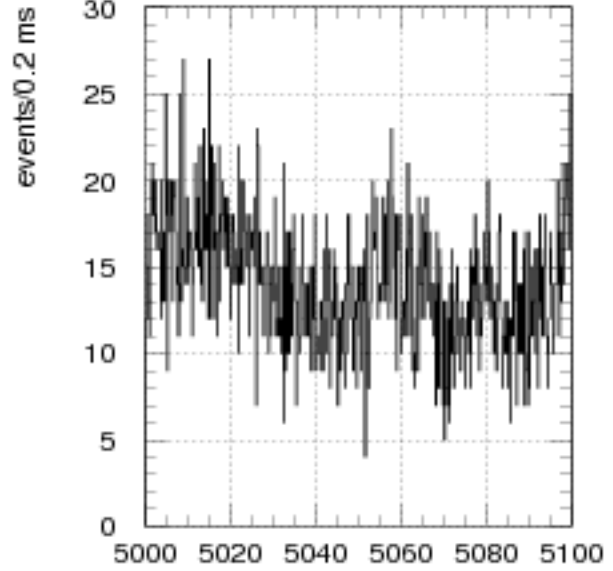


Fig 2d spill ms

Spill distribution

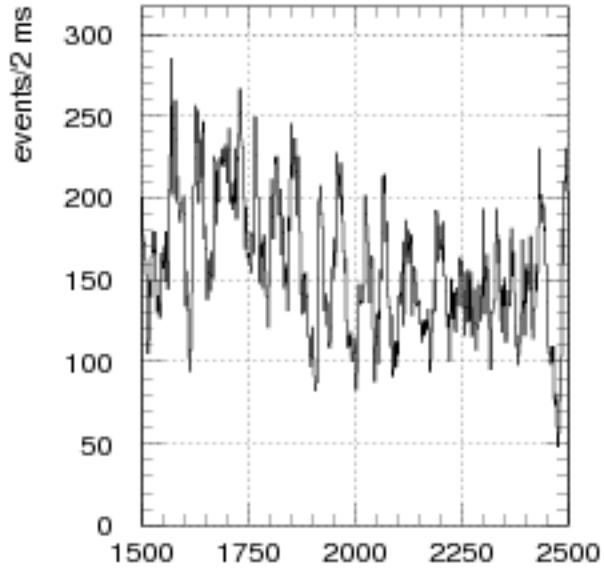


Fig. 2e spill ms

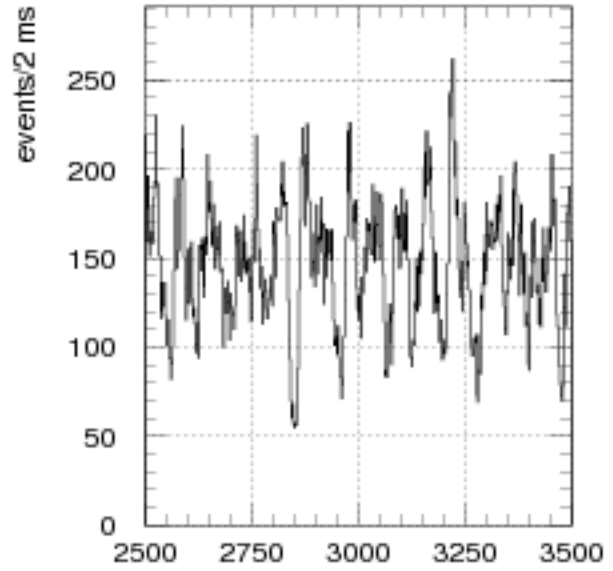


Fig. 2f spill ms

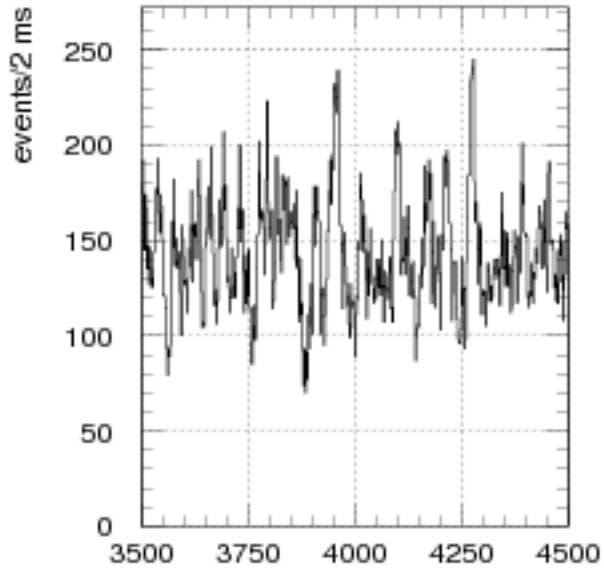


Fig. 2g spill ms

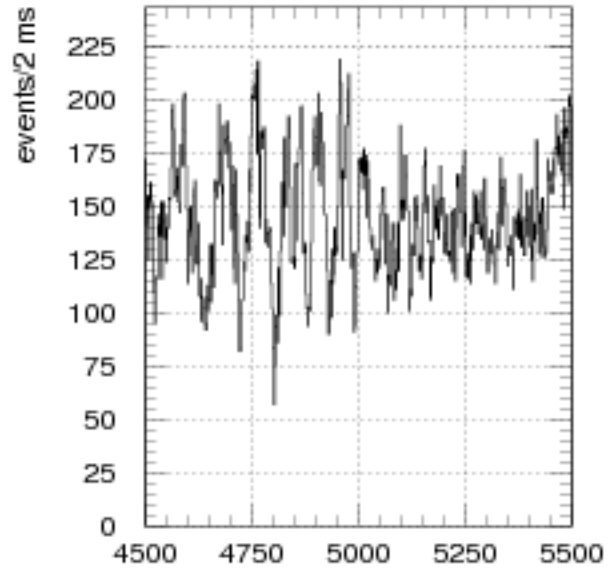


Fig 2h spill ms

## Spill statistics/ms

RUN 13019 BURST 133

Mean	74.3405	RMS	18.0248
Skewness	0.411536	+/-	0.0387298
Kurtosis	3.33198	+/-	0.0774597
RMS/sqrt(Mean)	2.09054		
Range/RMS	7.1568		

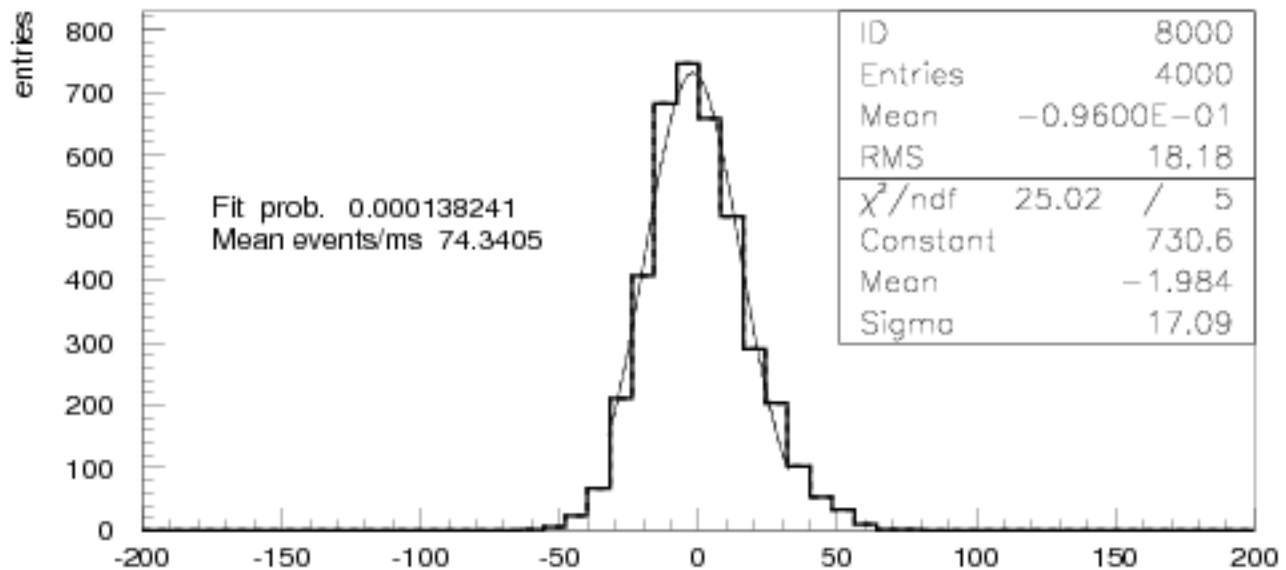


Fig. 3 Spill ( 1.5 - 5.5 sec): distribution of events/ms - mean

Uncorrected folded time (units 25 ns)

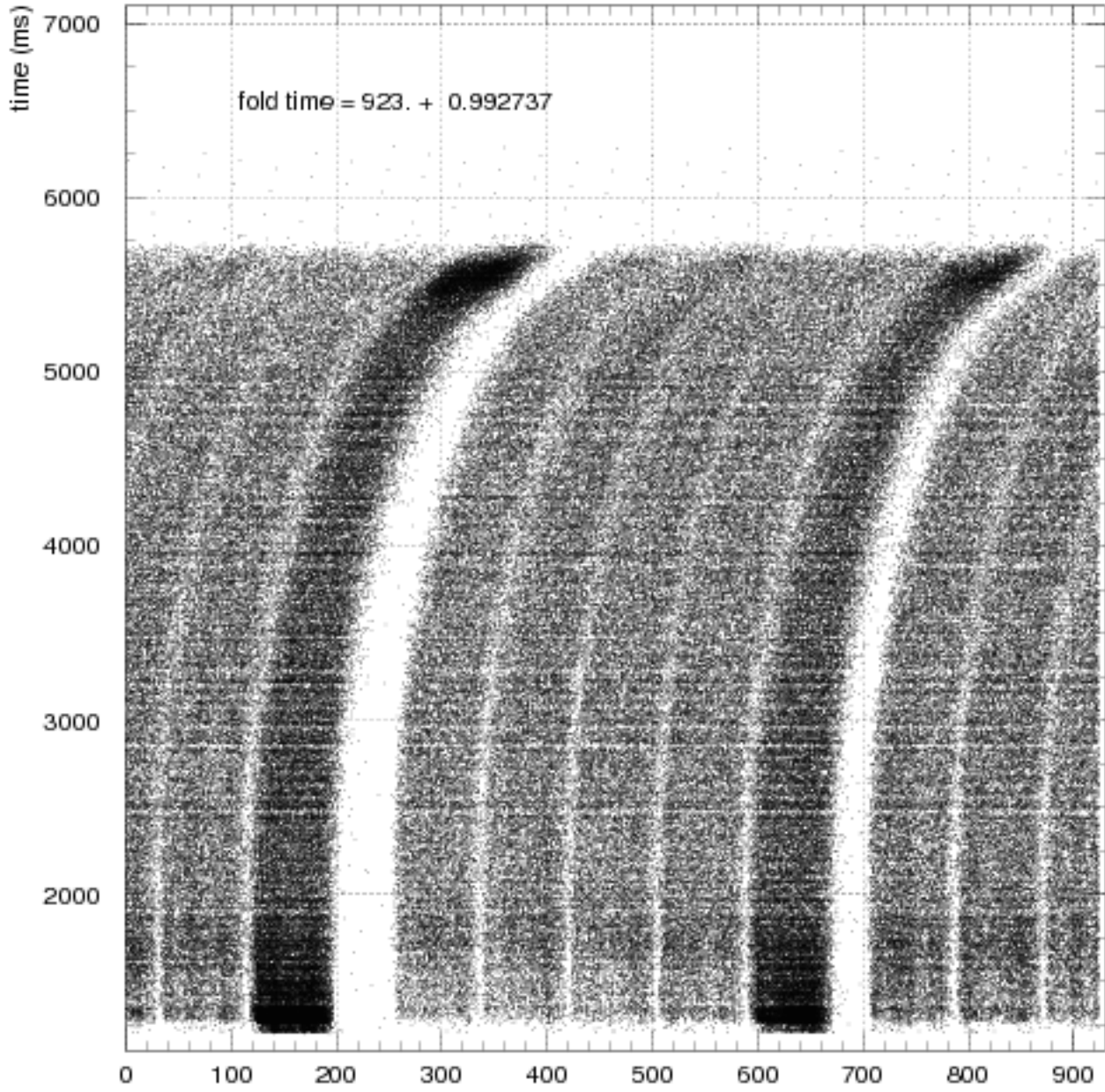


Fig. 4 Folded time/25ns

Cubic-corrected folded time (autocorr.kumac)

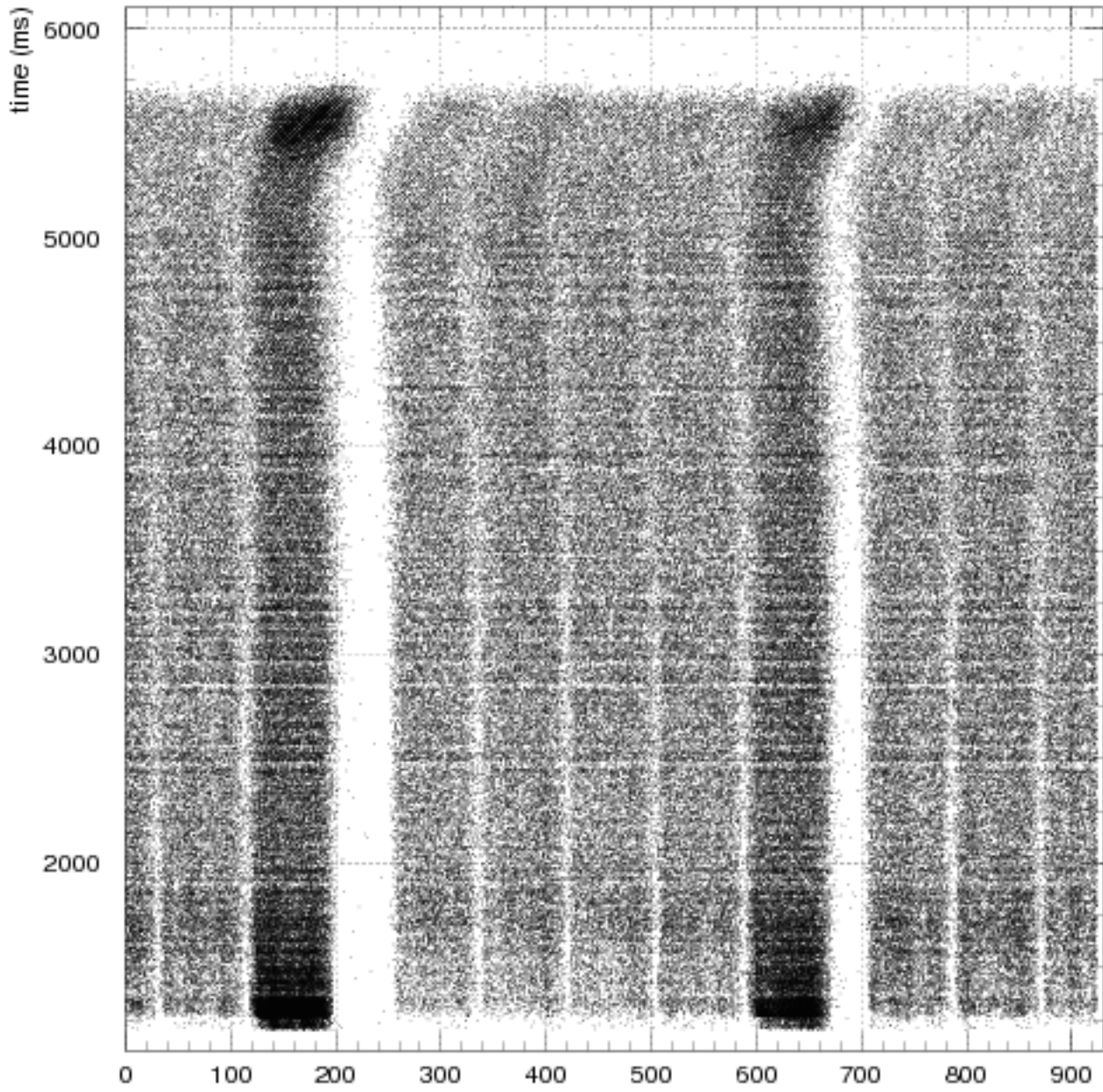


Fig. 5 Corrected folded time/25ns

### Folded Time Distributions

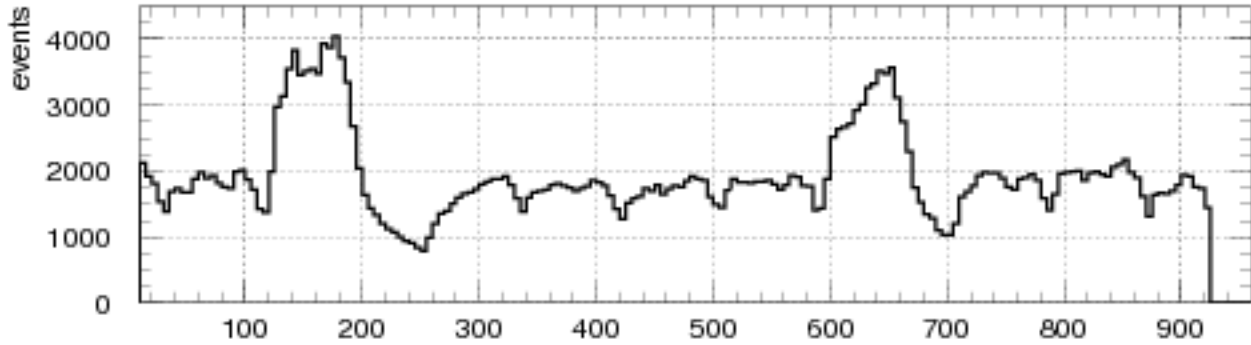


Fig. 6a Uncorrected folded time

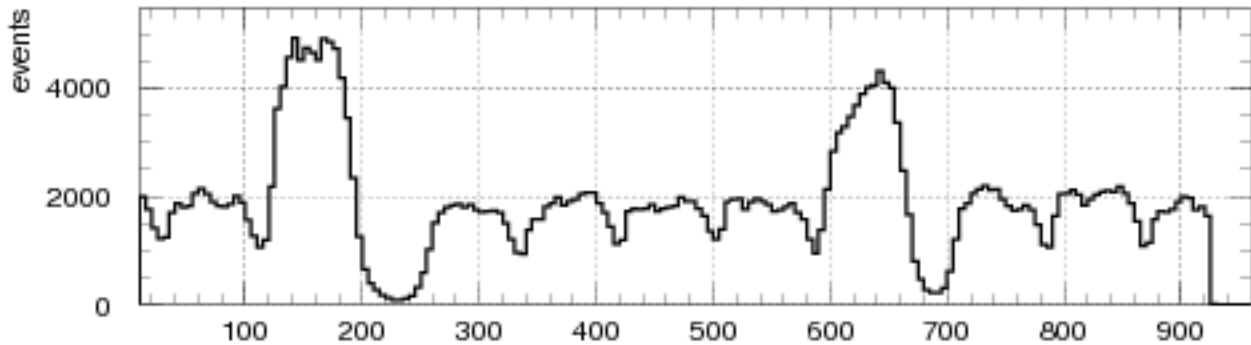


Fig. 6b Corrected folded time

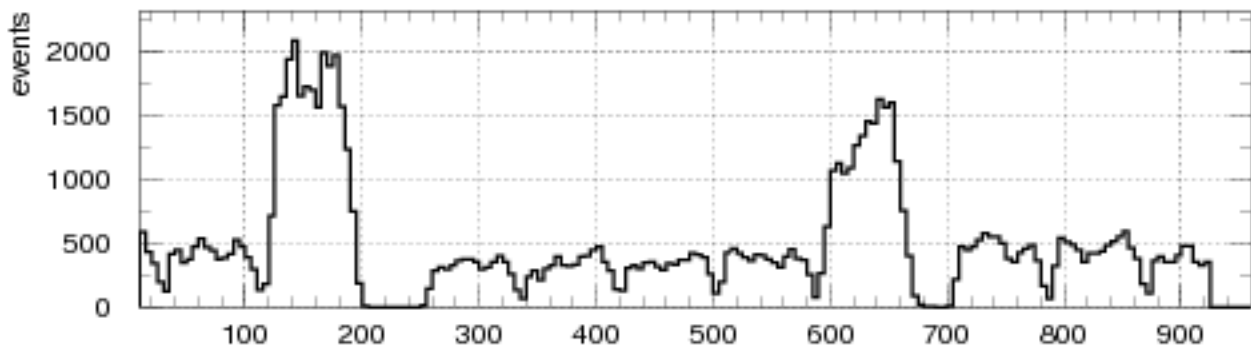


Fig. 6c Uncorrected folded time for 1200-2200 ms spill time

## Folded Time Distributions

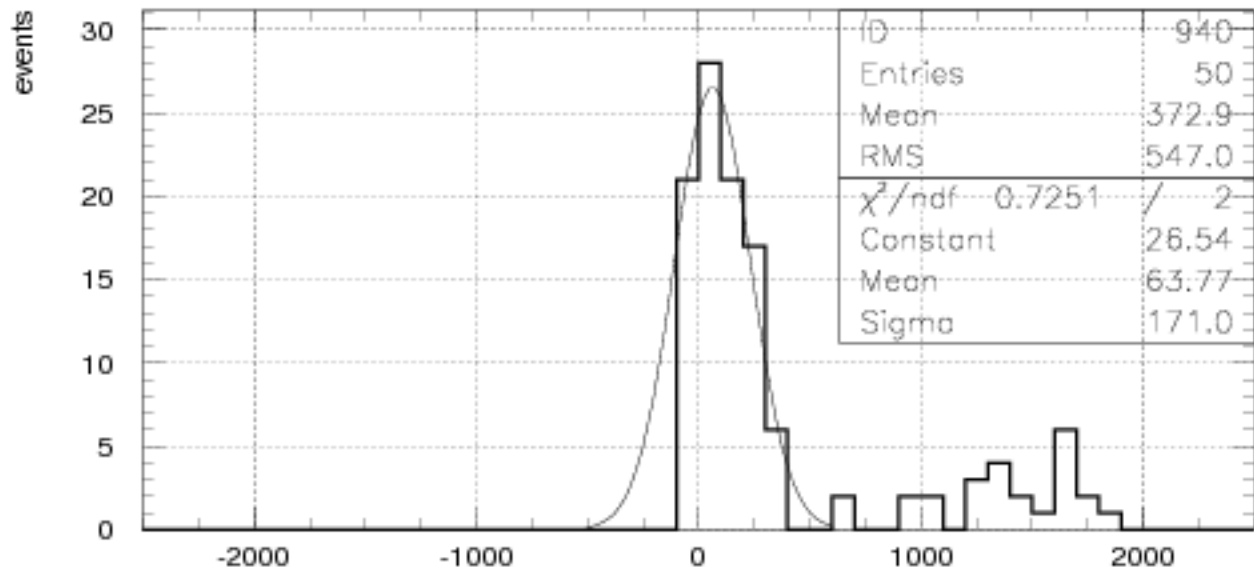


Fig. 6b2 Corrected folded time

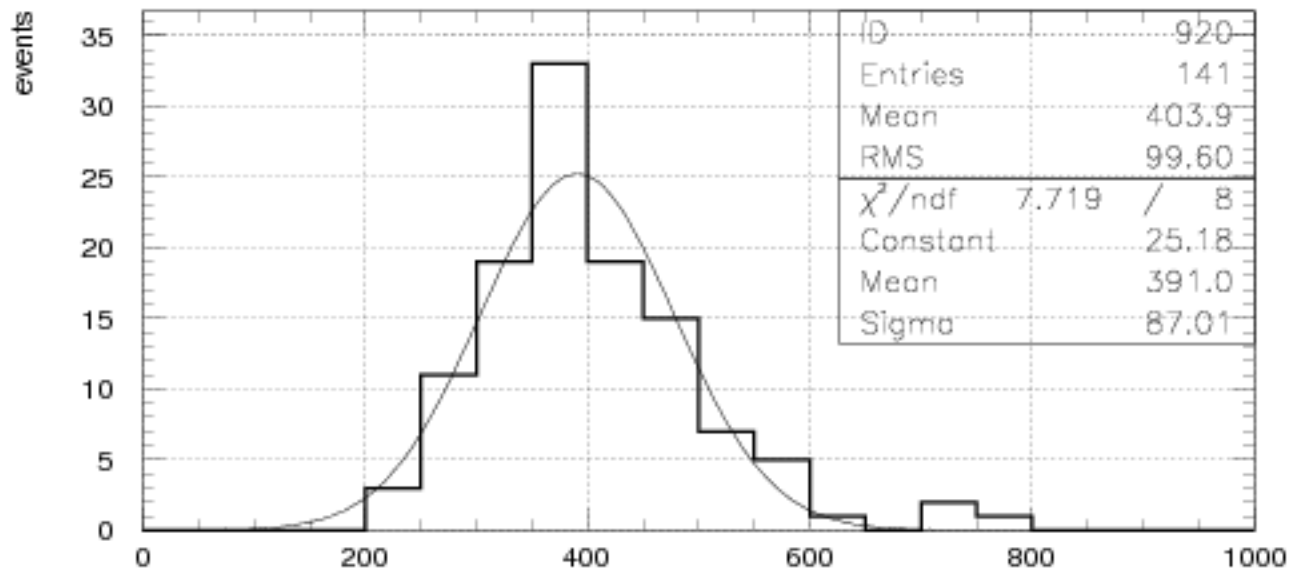


Fig. 6c2 Uncorrected folded time



Sample Autocorrelation Coefficient (1.5 - 5.5 secs) il = 1 iphase =150

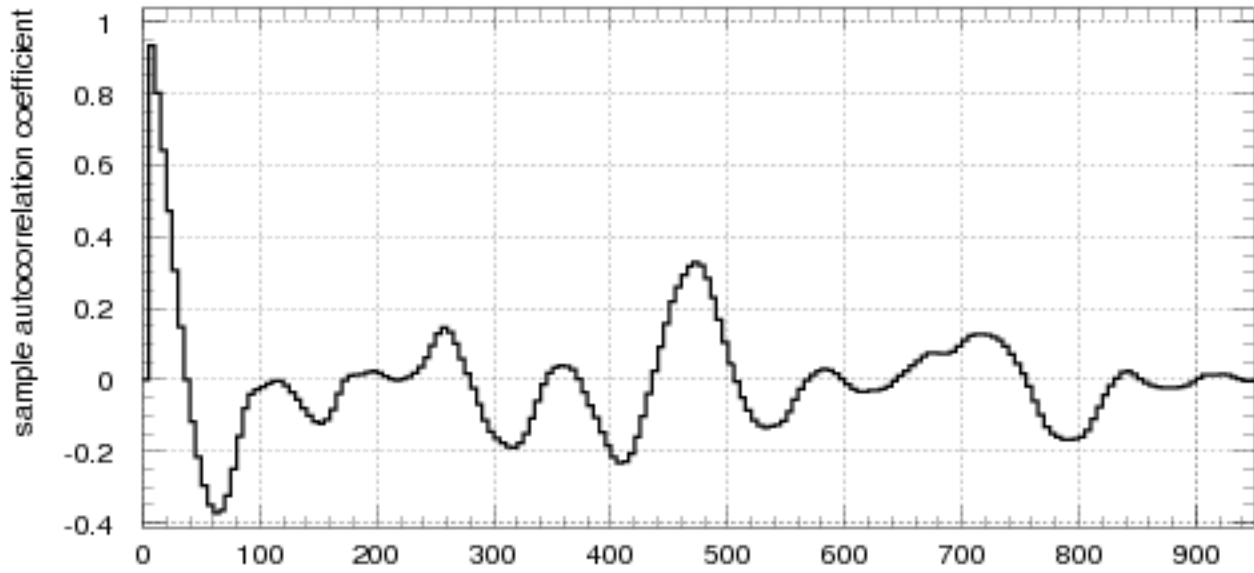


Fig. 7a Time lag (corrected folded time)

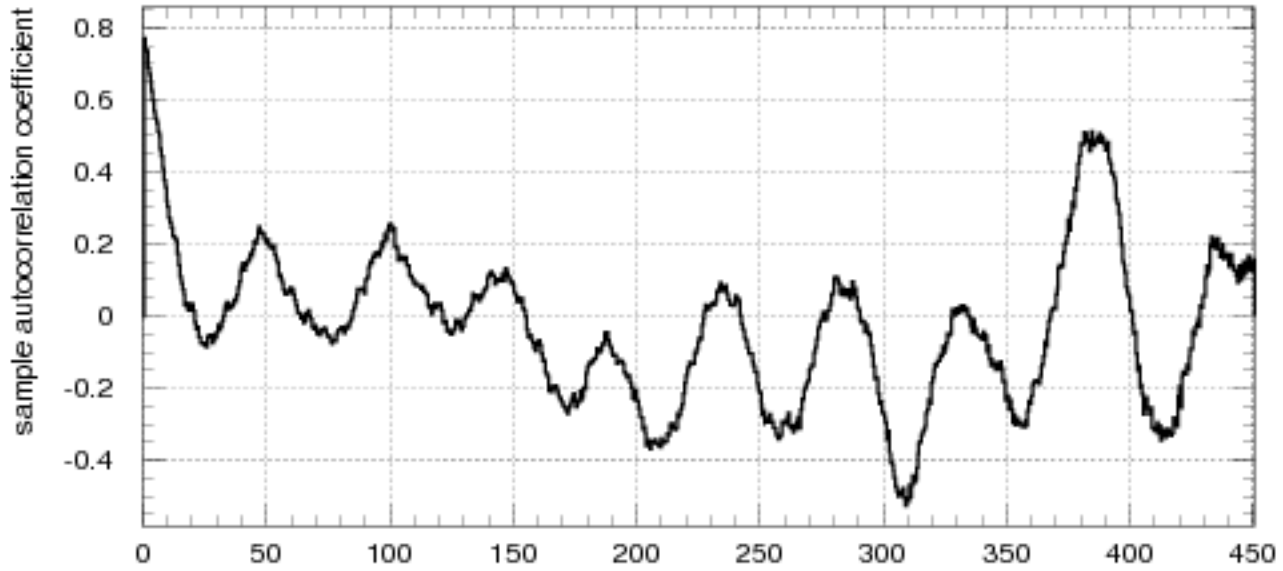


Fig. 7b Time lag (Spill - ms )

### Fourier Transform

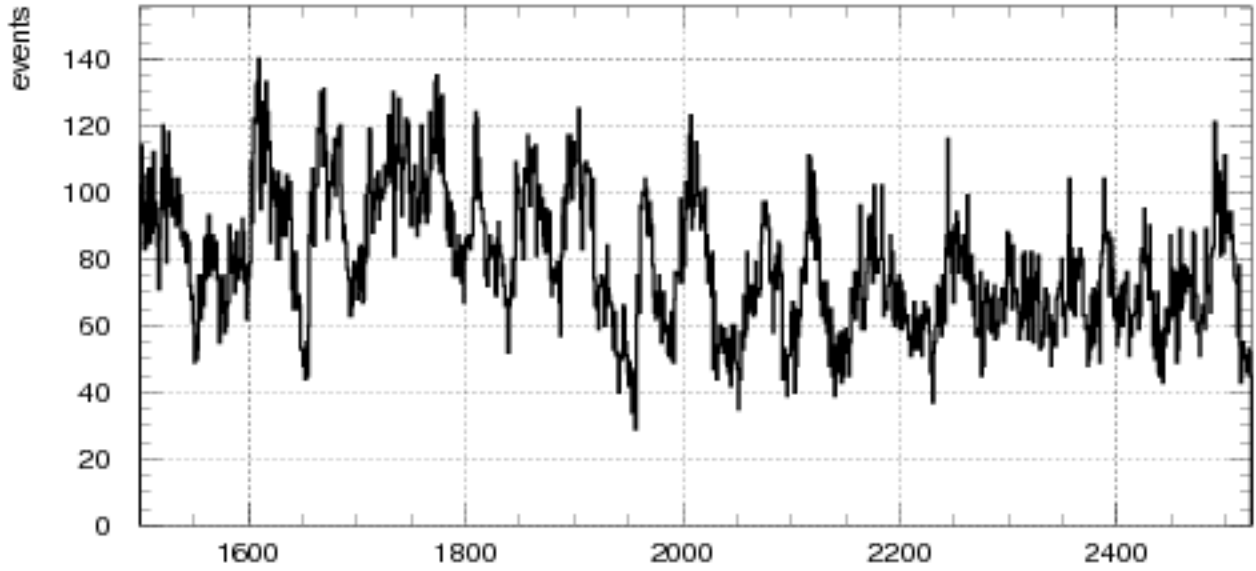


Fig. 8a Time(ms)

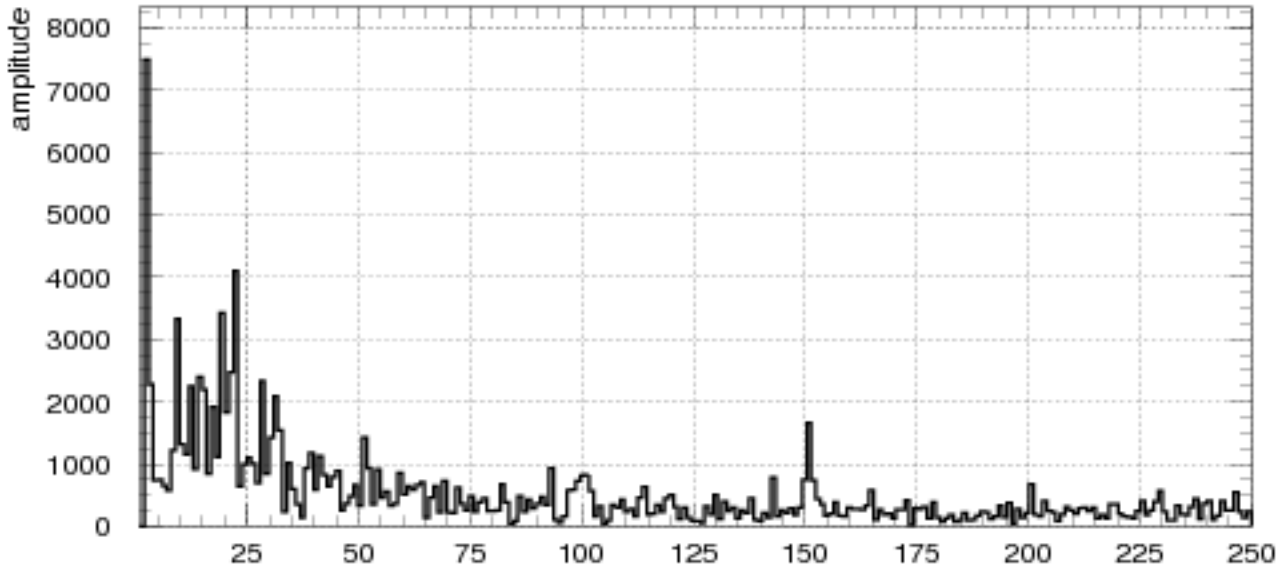


Fig. 8b Frequency(Hz)

SPILL STRUCTURE PLOTS - Spill Time Distribution

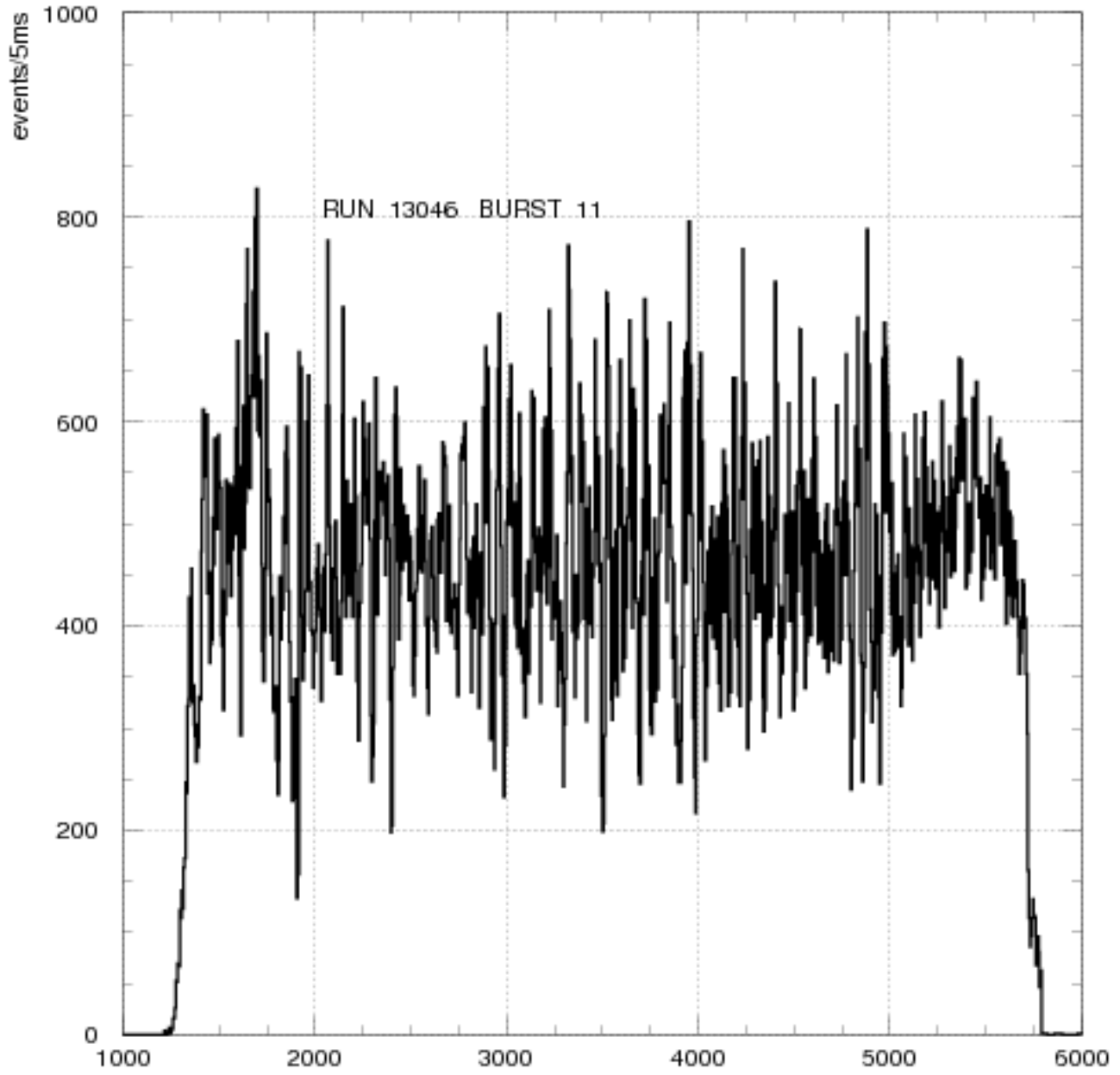


Fig 1. Time (ms)

Spill distribution

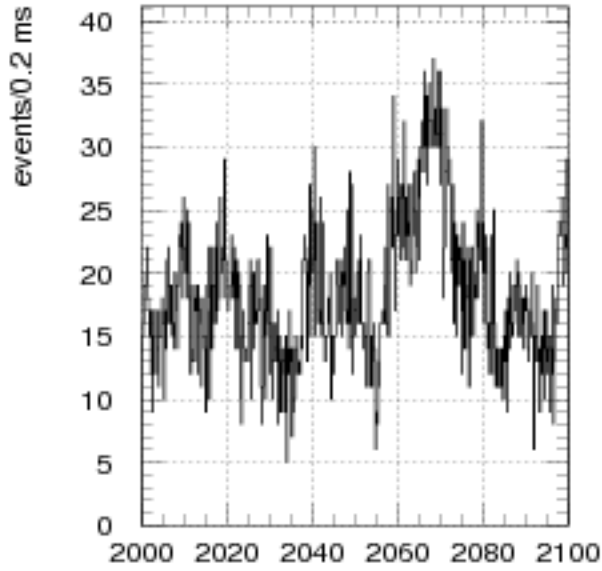


Fig. 2a spill ms

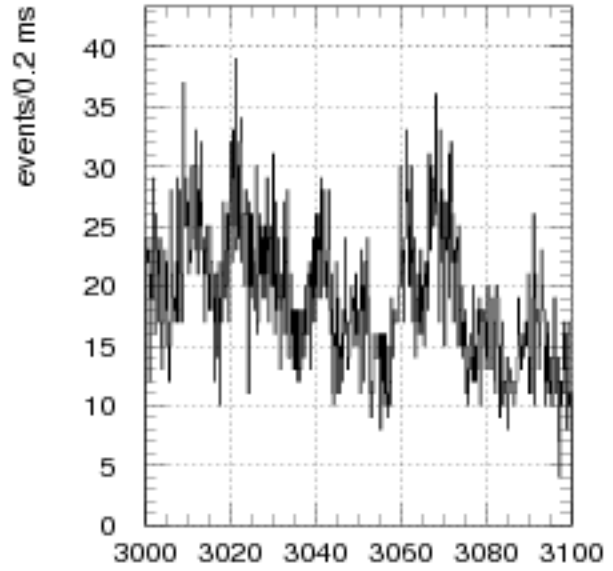


Fig. 2b spill ms

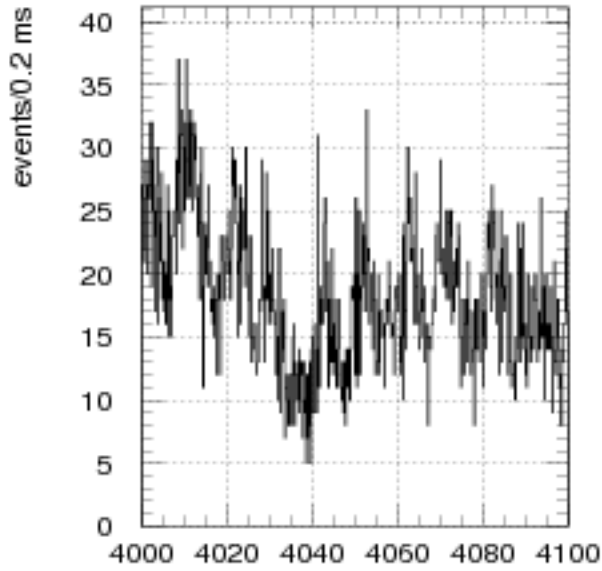


Fig. 2c spill ms

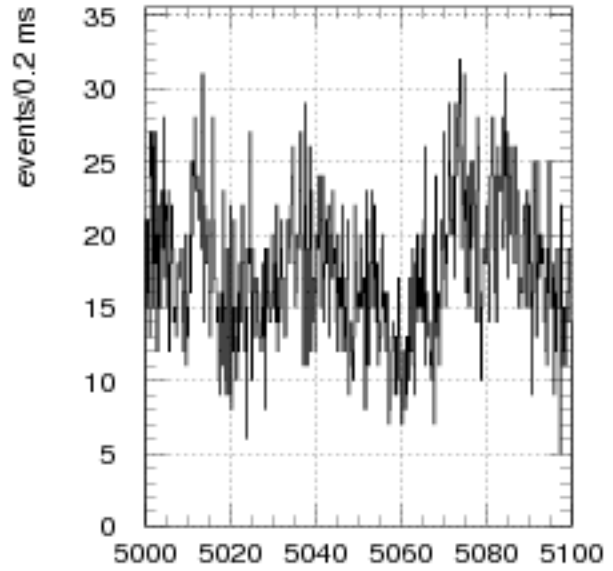


Fig 2d spill ms

Spill distribution

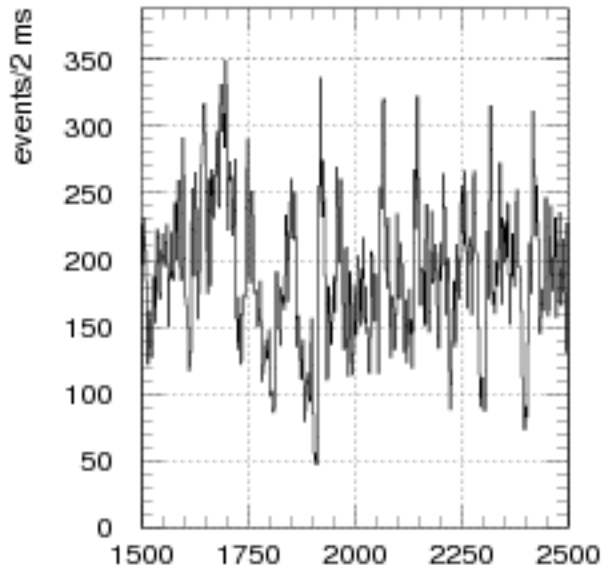


Fig. 2e spill ms

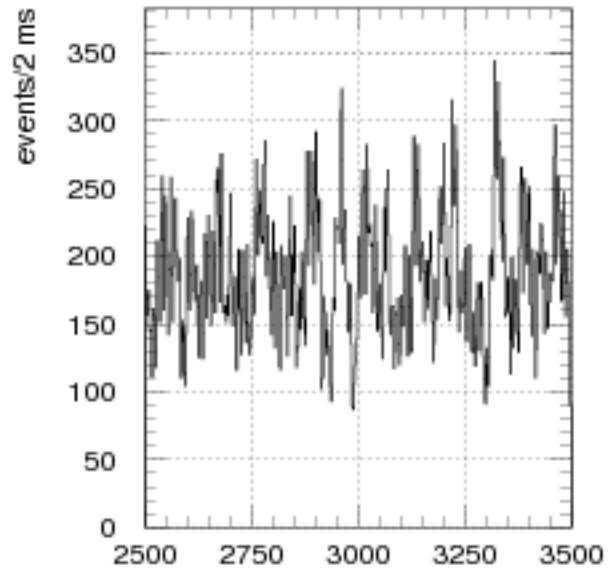


Fig. 2f spill ms

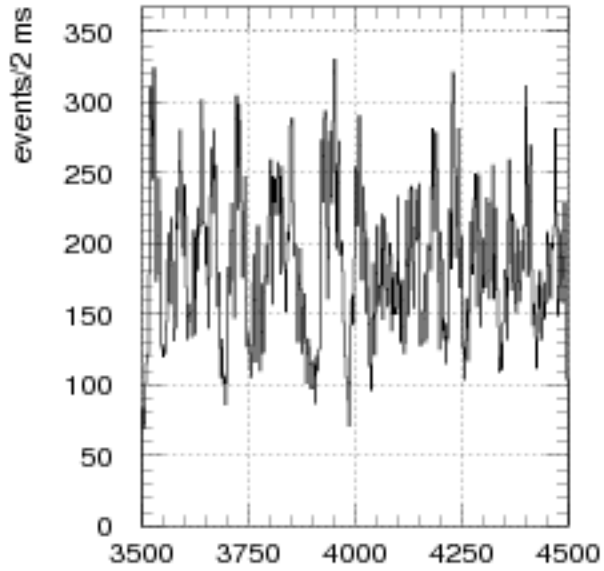


Fig. 2g spill ms

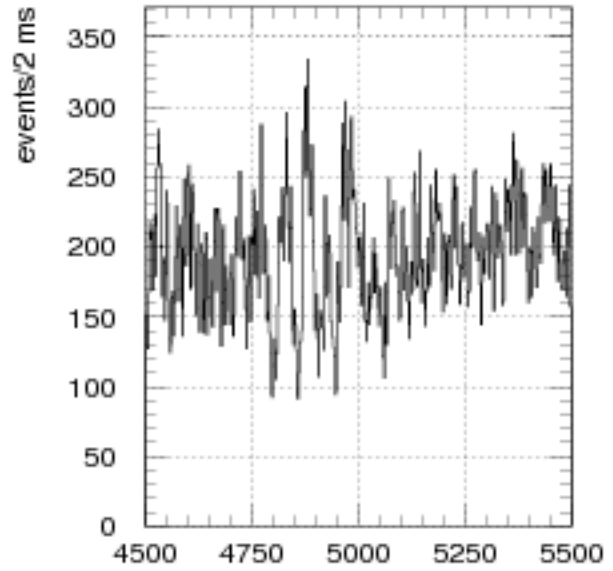


Fig. 2h spill ms

## Spill statistics/ms

RUN 13046 BURST 11

Mean	94.3643	RMS	25.3233
Skewness	0.286693	+/-	0.0387298
Kurtosis	2.98646	+/-	0.0774597
RMS/sqrt(Mean)	2.60685		
Range/RMS	6.47625		

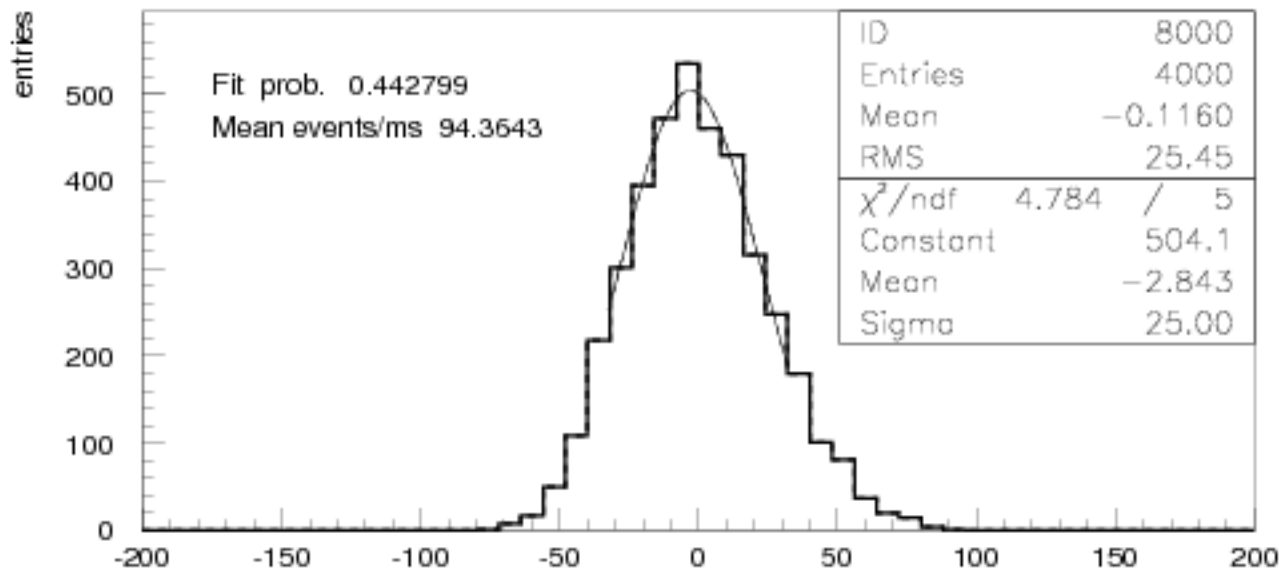


Fig. 3 Spill ( 1.5 - 5.5 sec): distribution of events/ms - mean

Uncorrected folded time (units 25 ns)

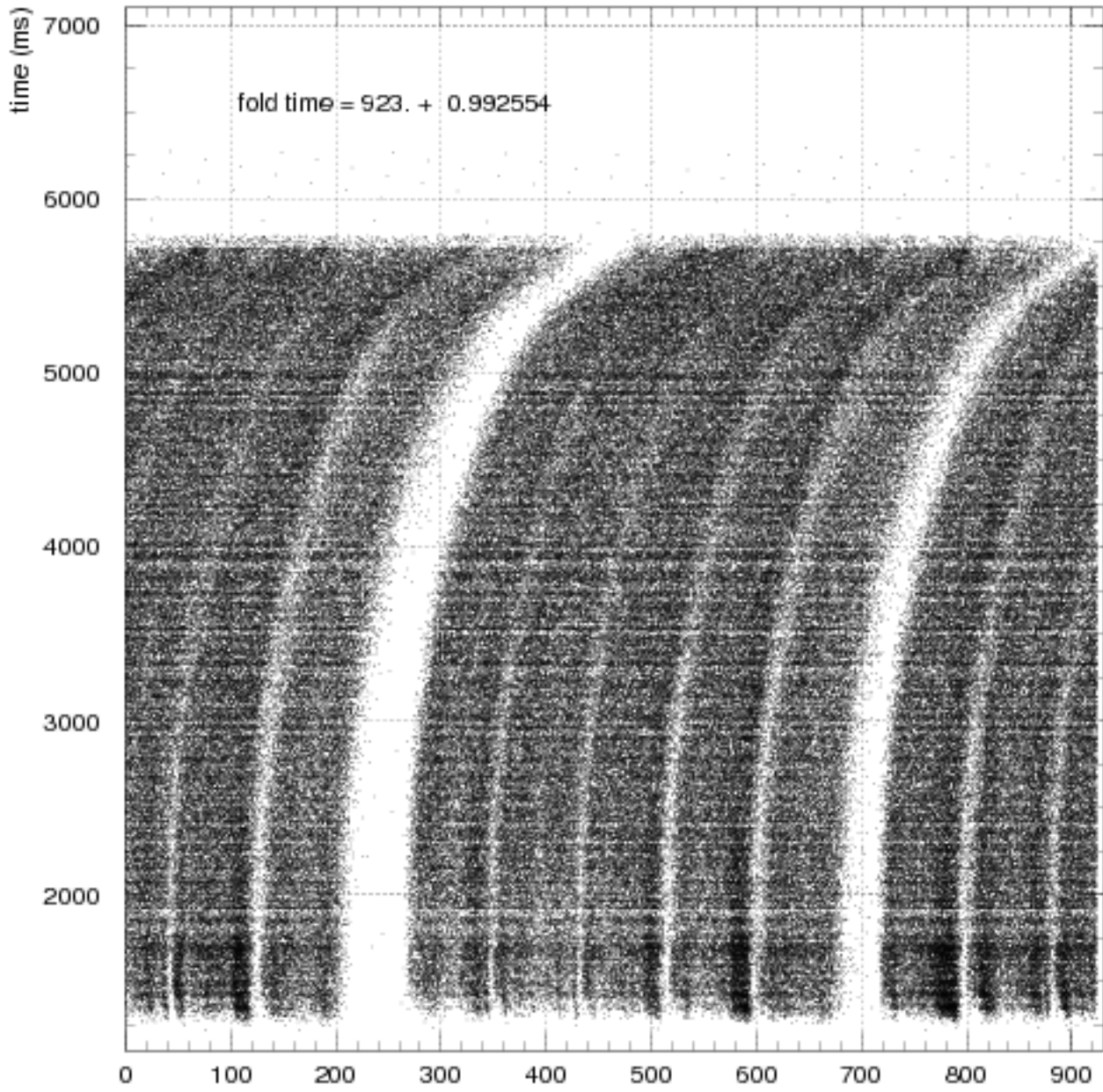


Fig. 4 Folded time/25ns

Cubic-corrected folded time (autocorr.kumac)

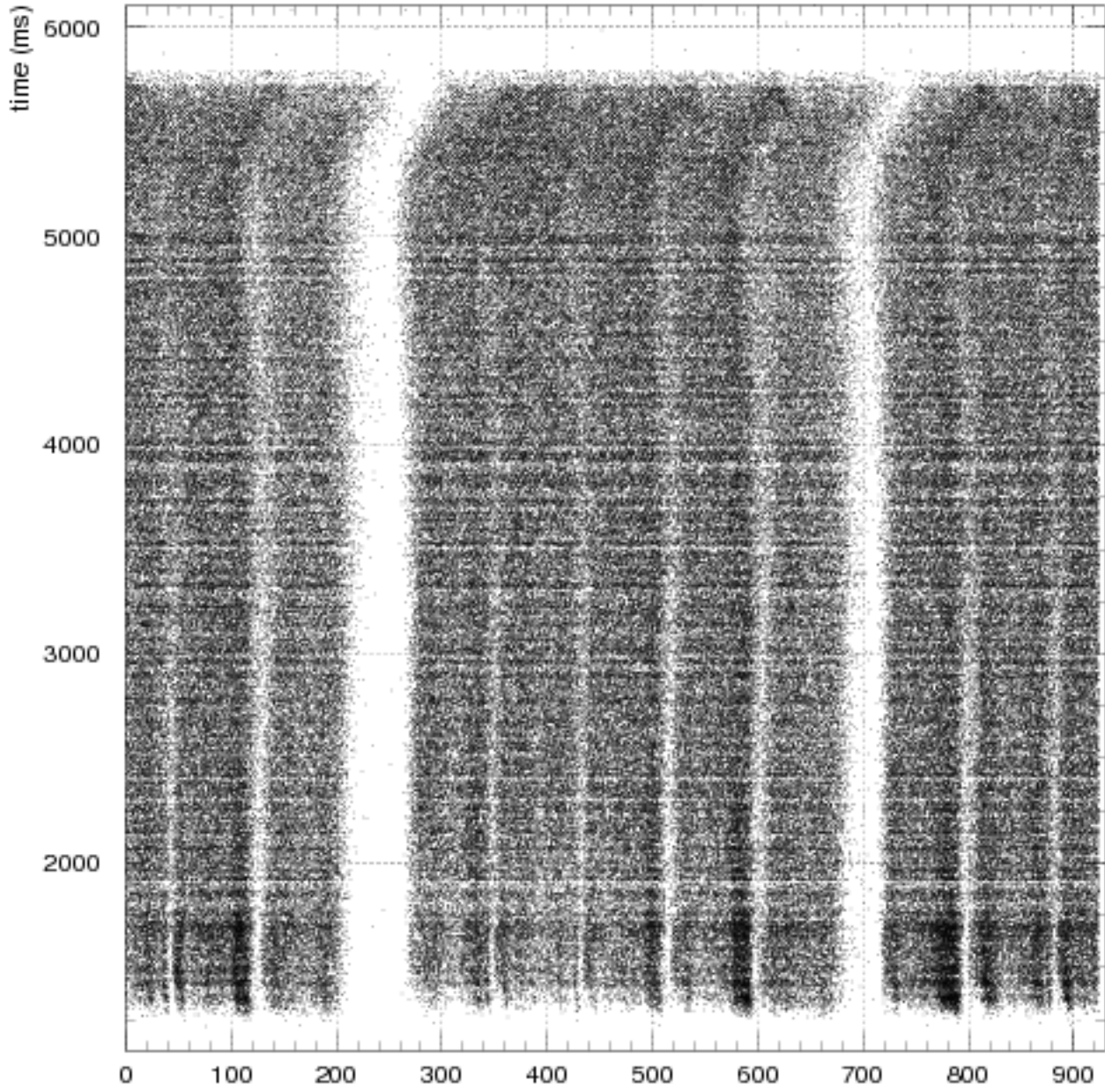


Fig. 5 Corrected folded time/25ns



### Folded Time Distributions

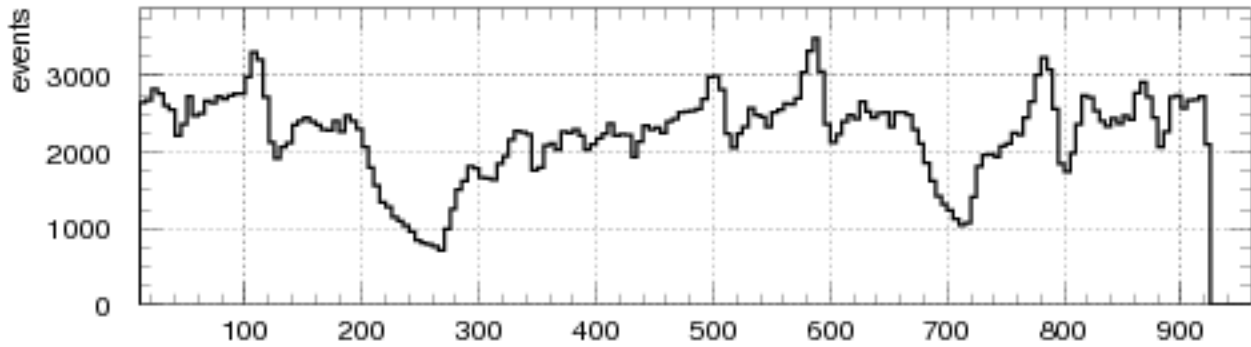


Fig. 6a Uncorrected folded time

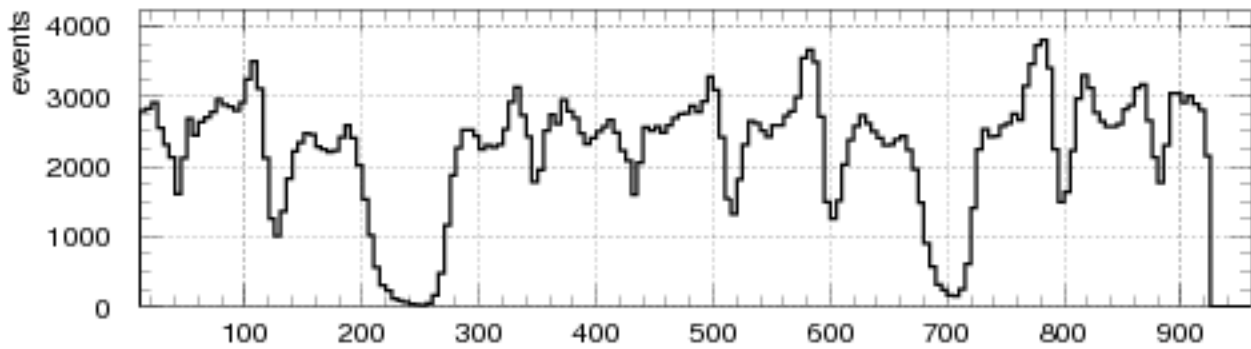


Fig. 6b Corrected folded time

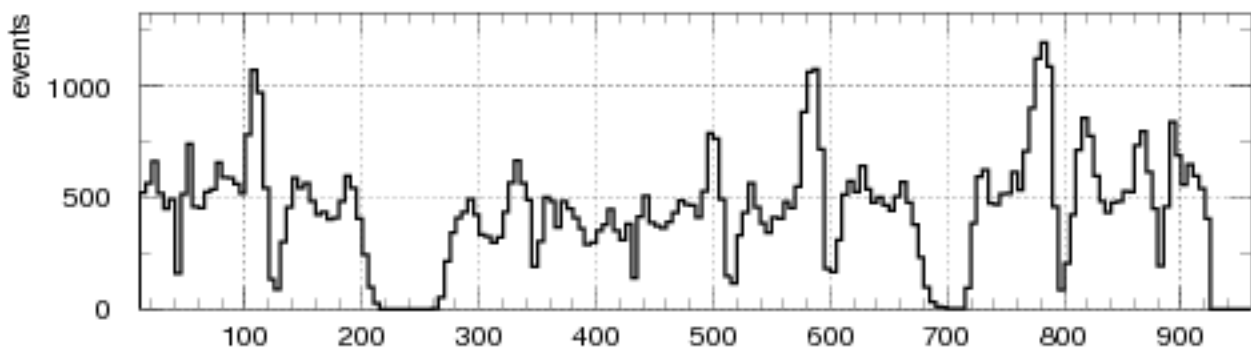


Fig. 6c Uncorrected folded time for 1200-2200 ms spill time

## Folded Time Distributions

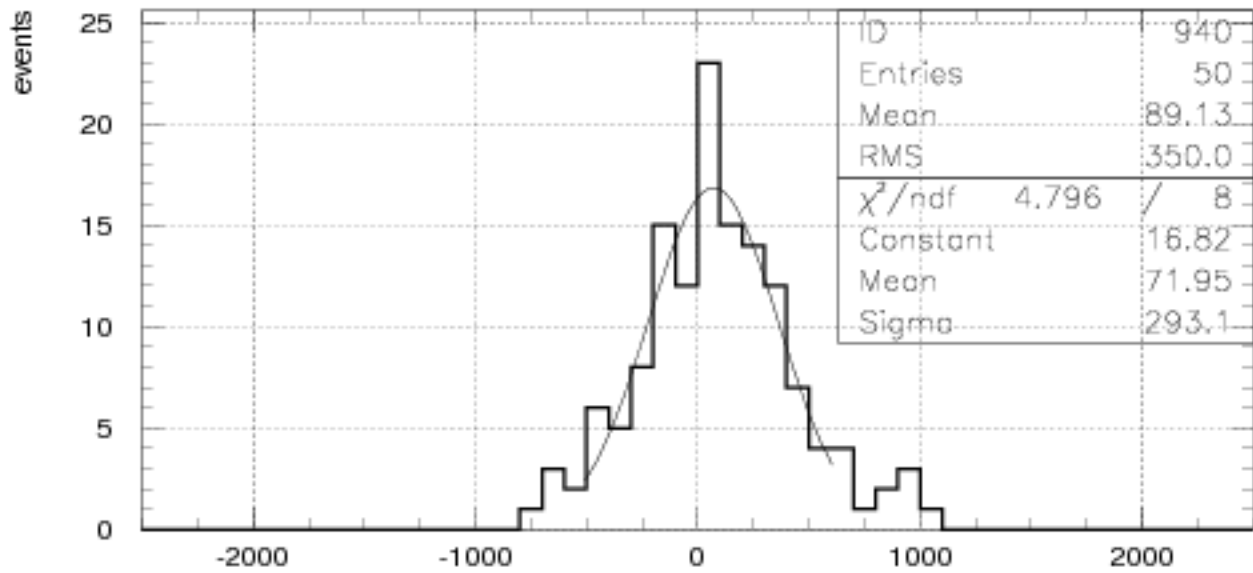


Fig. 6b2 Corrected folded time

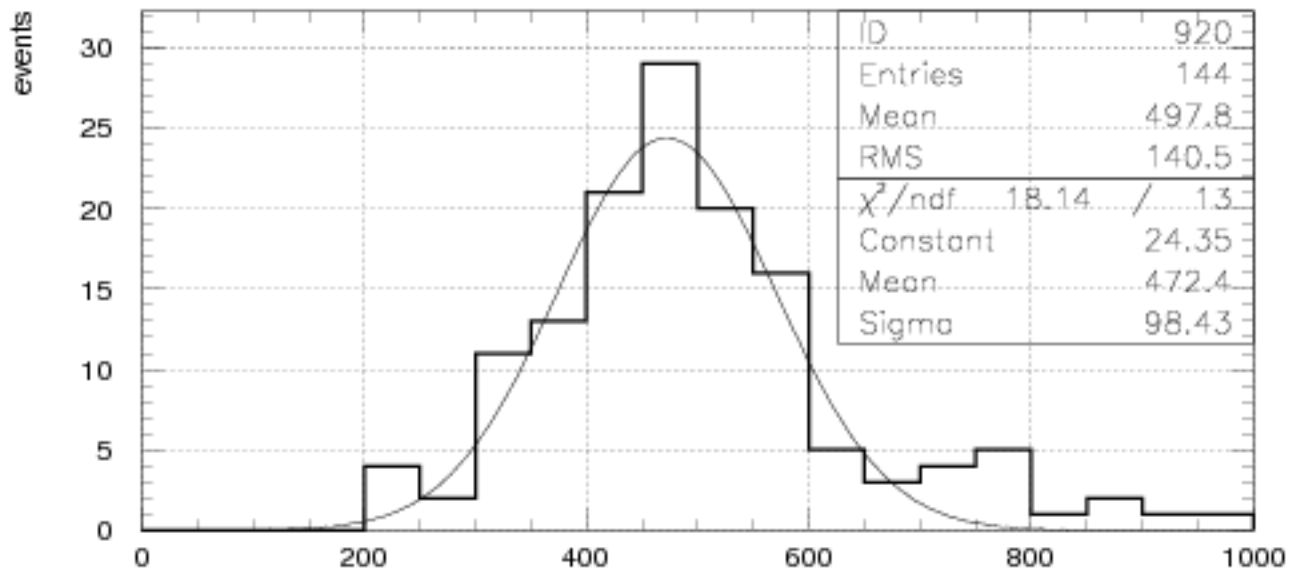


Fig. 6c2 Uncorrected folded time

Sample Autocorrelation Coefficient (1.5 - 5.5 secs) il = 1 iphase =150

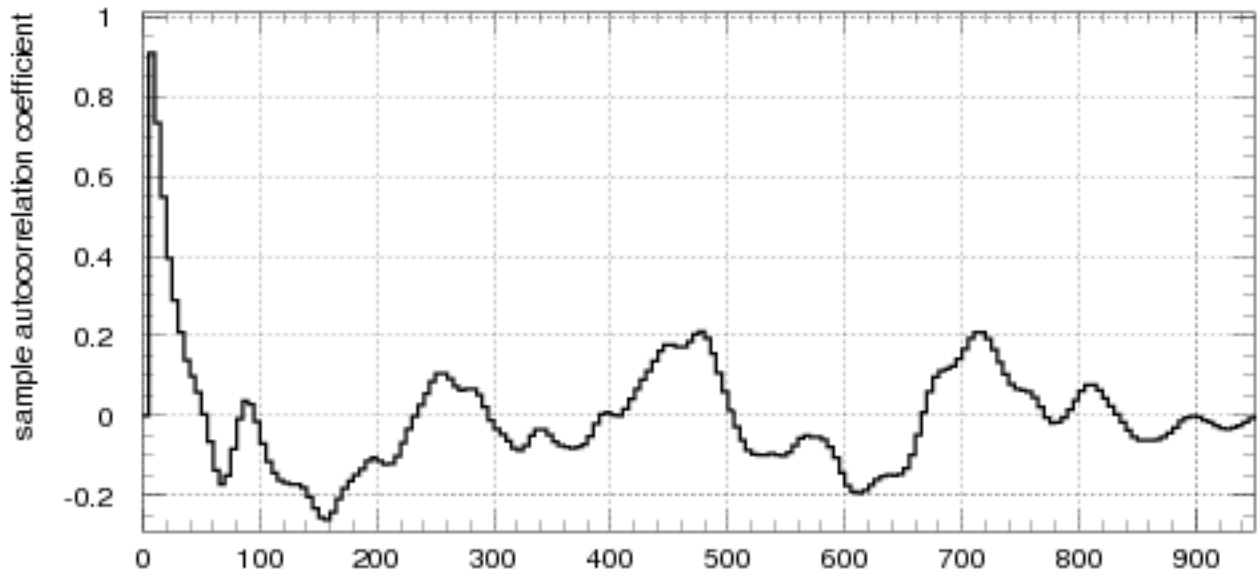


Fig. 7a Time lag (corrected folded time)

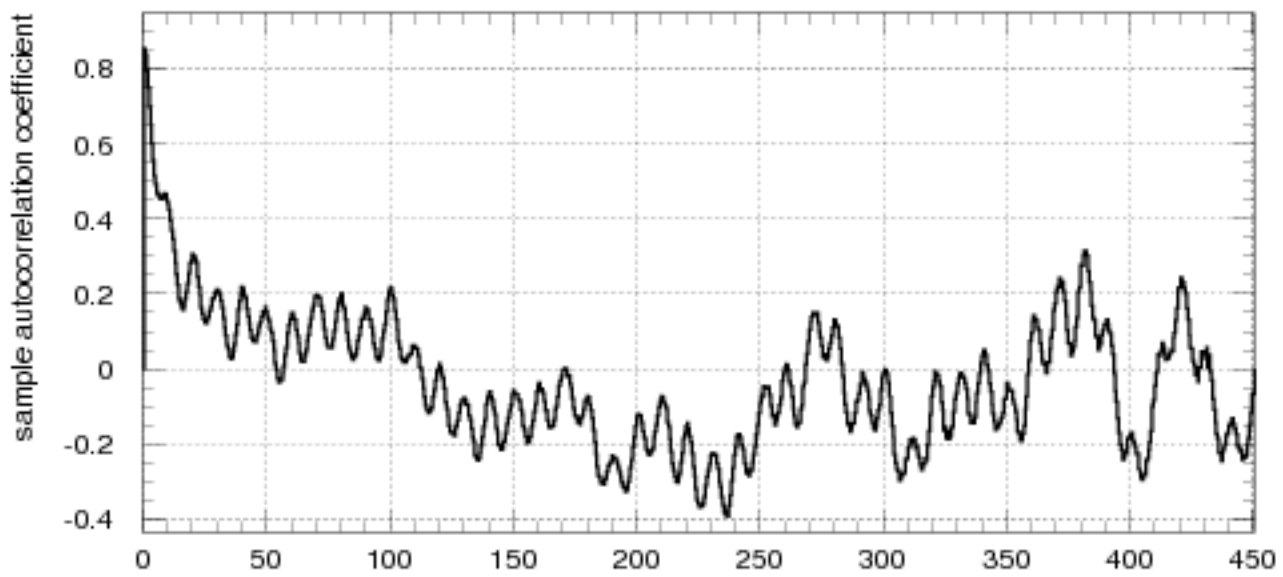


Fig. 7b Time lag (Spill - ms )

### Fourier Transform

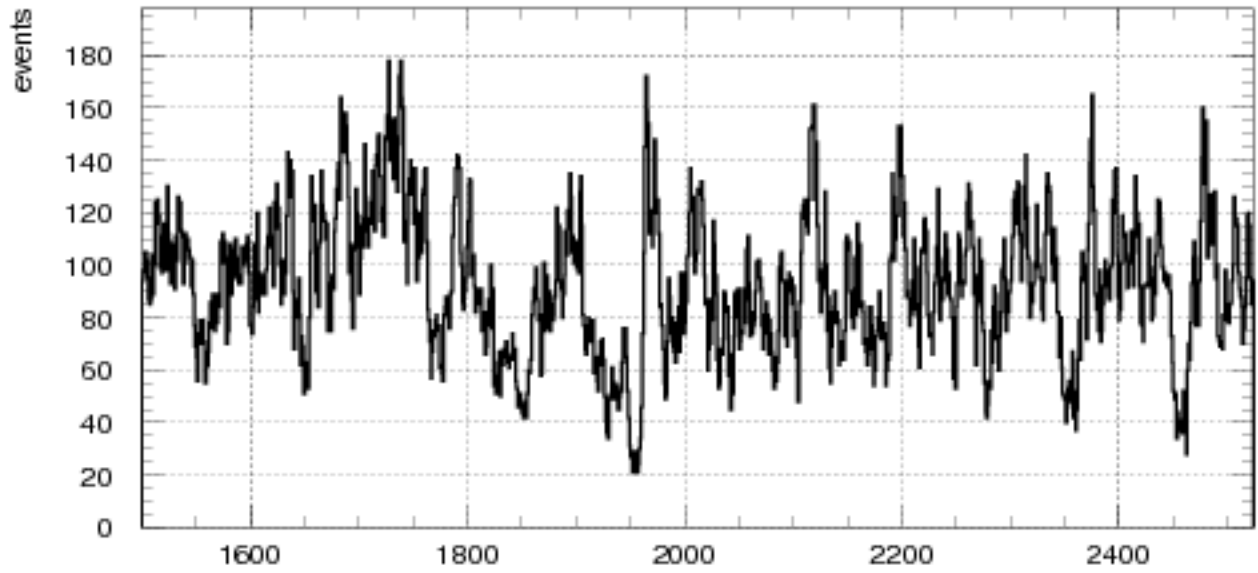


Fig. 8a Time(ms)

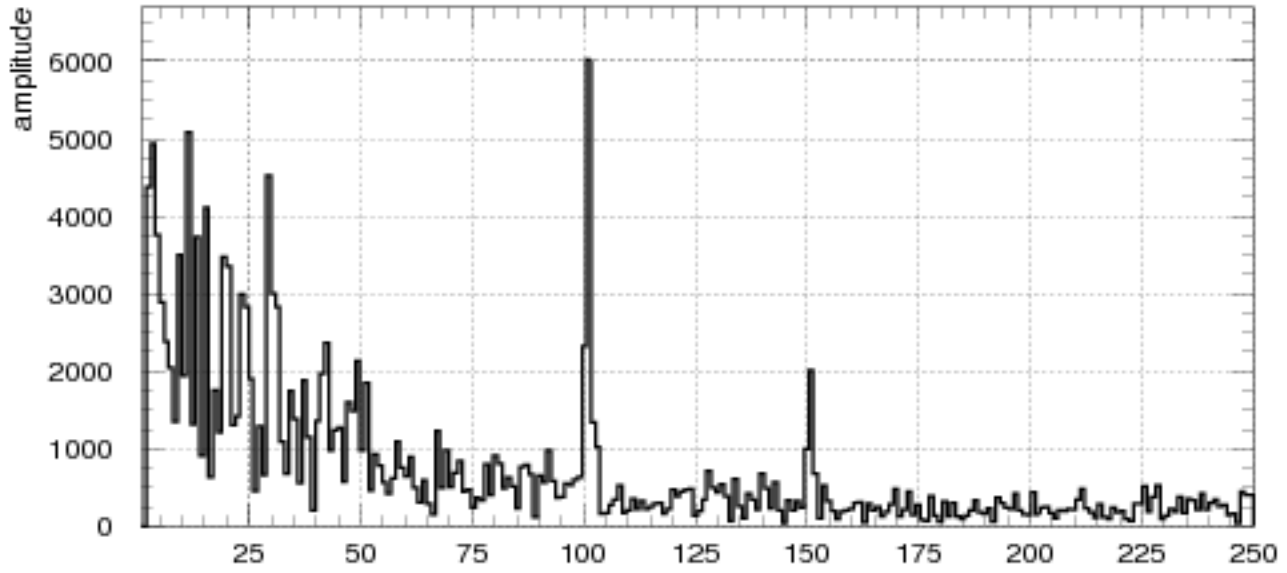


Fig. 8b Frequency(Hz)