

Calibration of veto discriminators

FOOT Pisa

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Crate

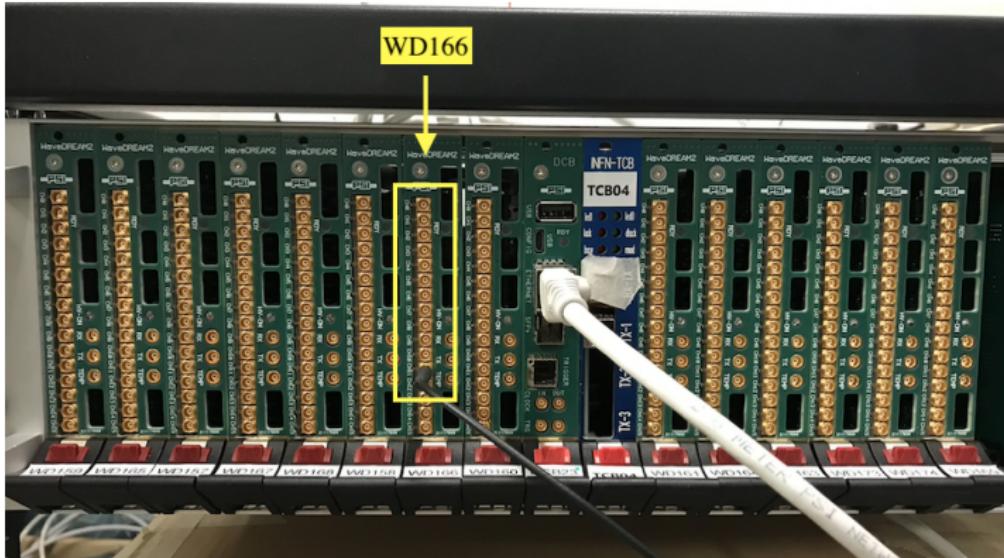


Figure: Channel 0.

Instruments



Figure: TGP110. https://resources.aimtti.com/datasheets/AIM-TGP110_pulse_generator_data_sheet-Iss1A.pdf

Instruments

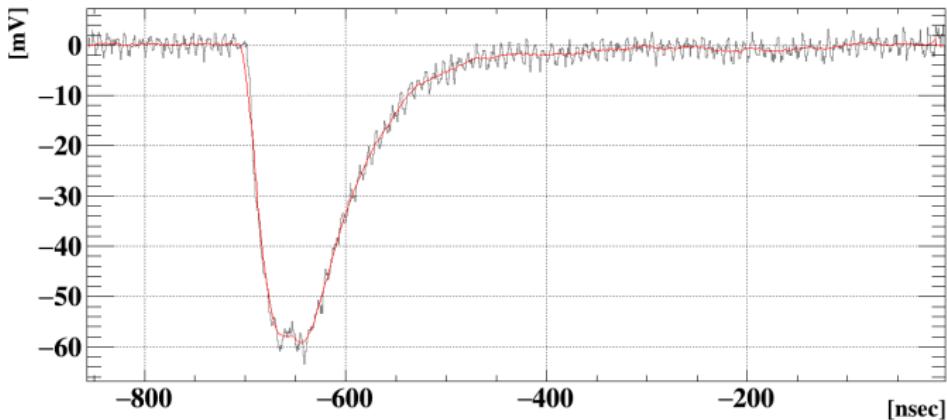


Figure: Example Waveform recorded by DRS4

Instruments

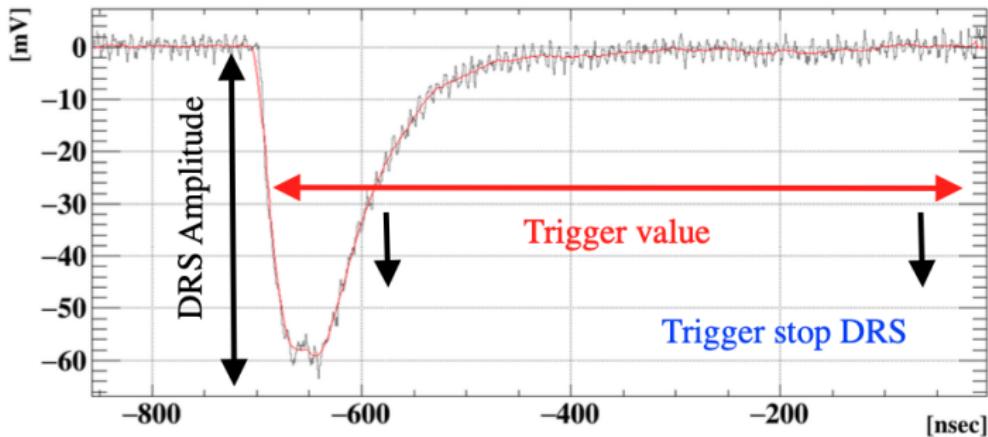


Figure: Example Waveform recorded by DRS4

- Bla bla bla
- Bla bla bla

Channels calibration

Calibration w166 ch0

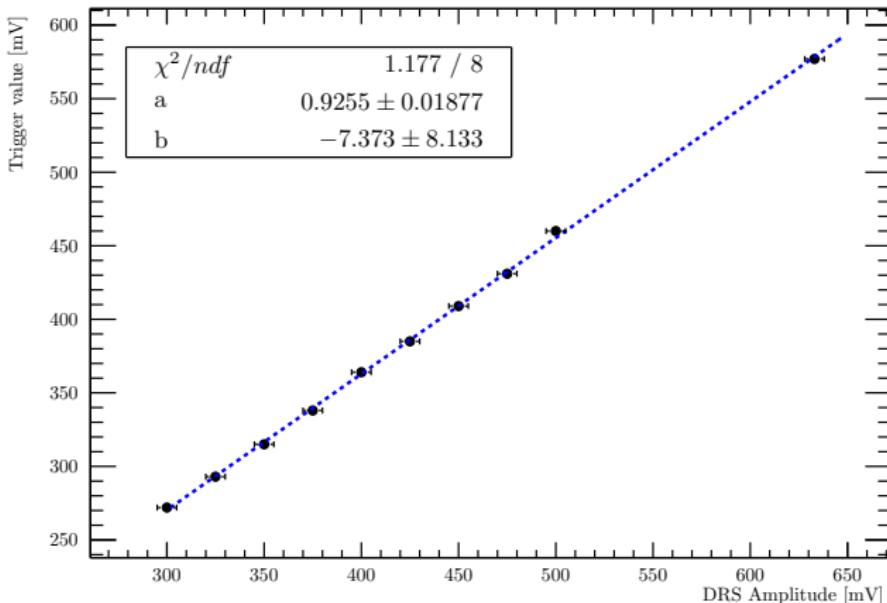


Figure: Channel 0.

Channels calibration

Calibration w166 ch1

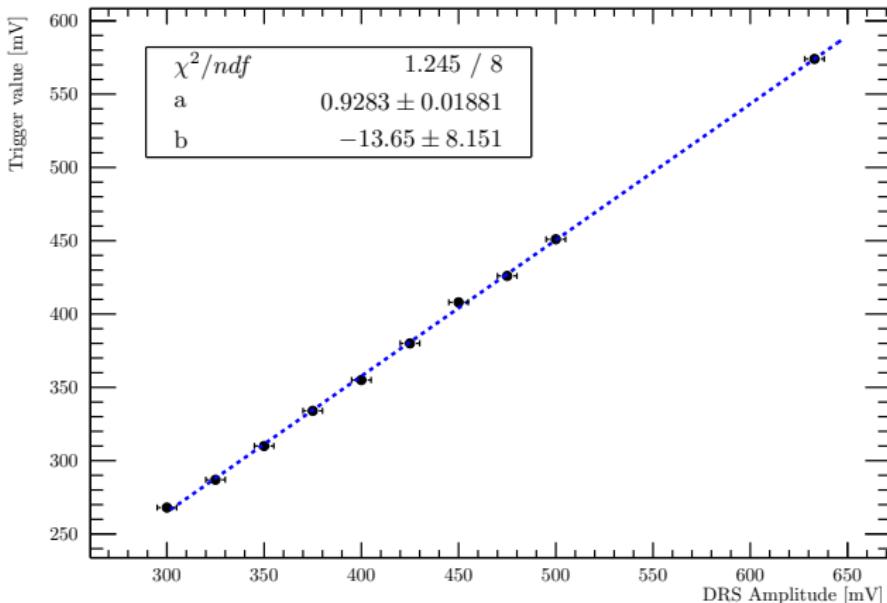


Figure: Channel 1.

Channels calibration

Calibration w166 ch2

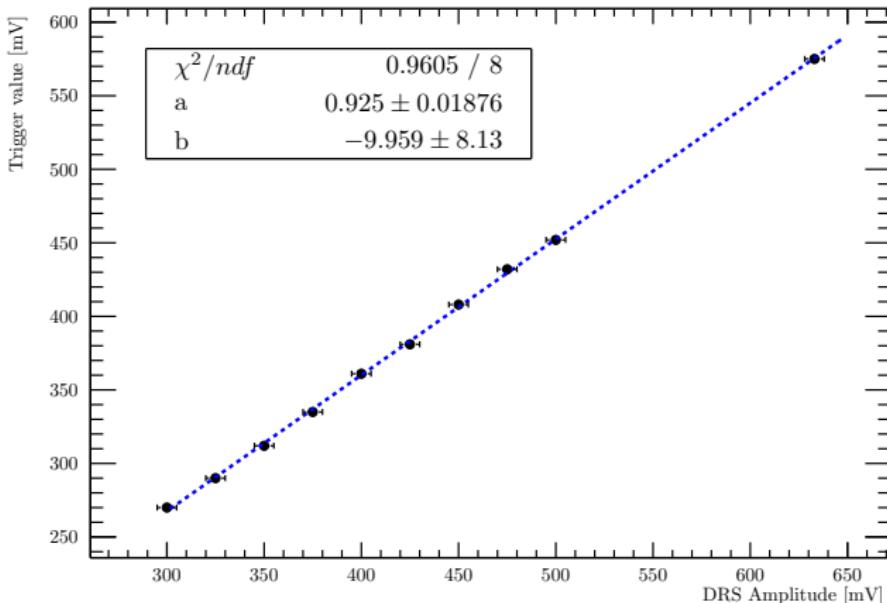


Figure: Channel 2.

Channels calibration

Calibration w166 ch3

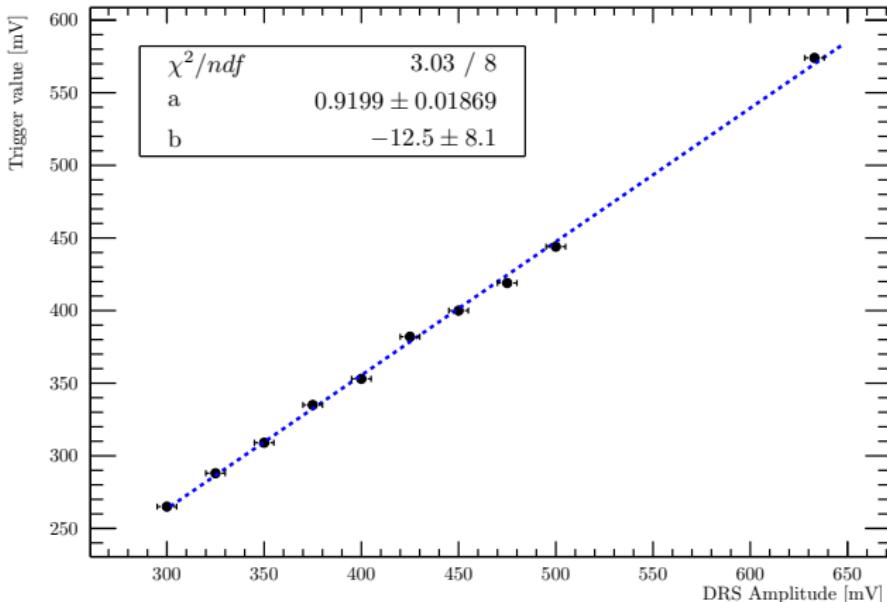


Figure: Channel 3.

Channels calibration

Calibration w166 ch4

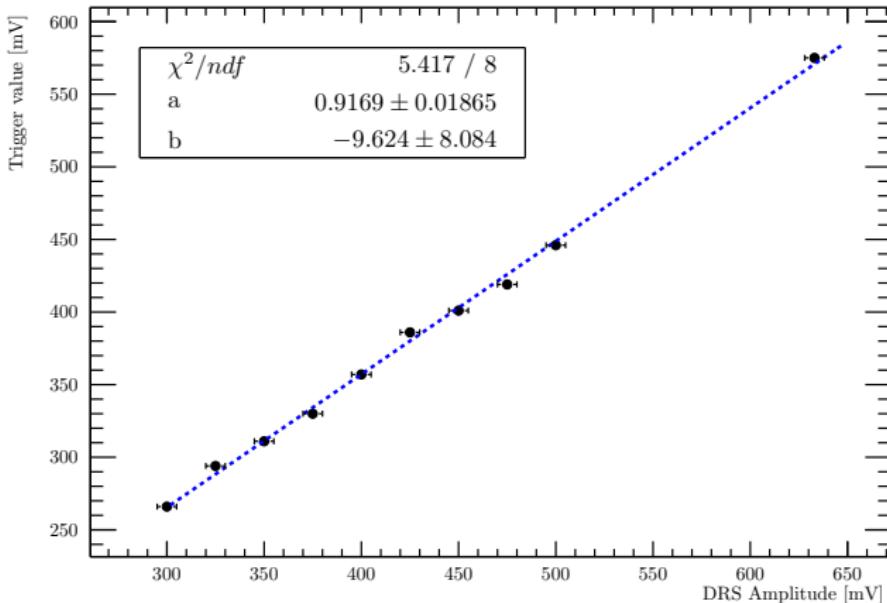


Figure: Channel 4.

Channels calibration

Calibration w166 ch5

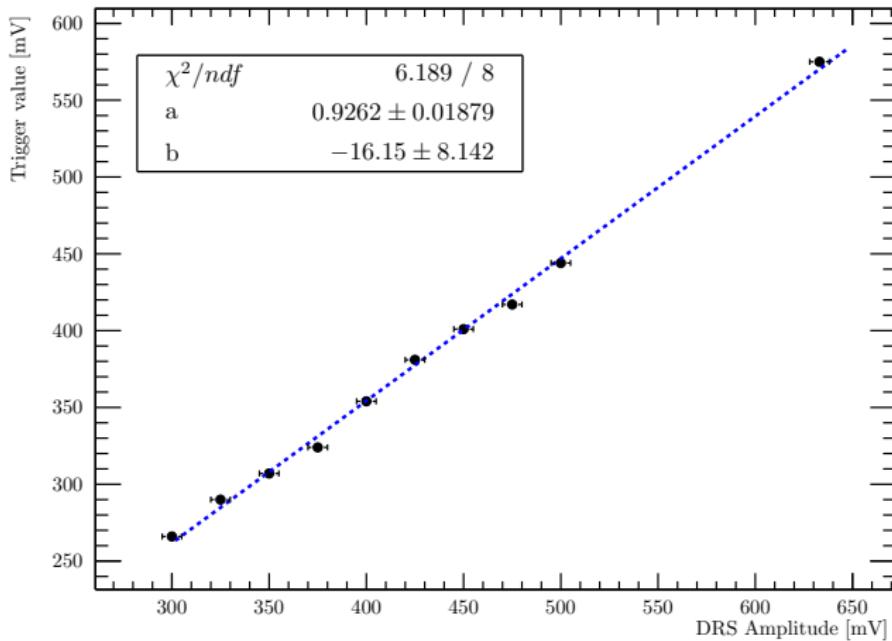


Figure: Channel 5.

Channels calibration

Calibration w166 ch6

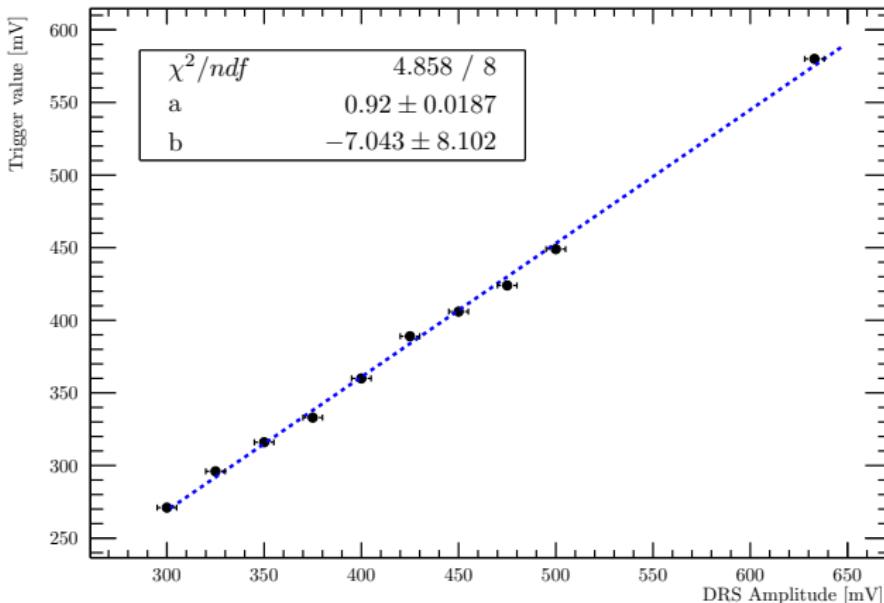


Figure: Channel 6.

Channels calibration

Calibration w166 ch7

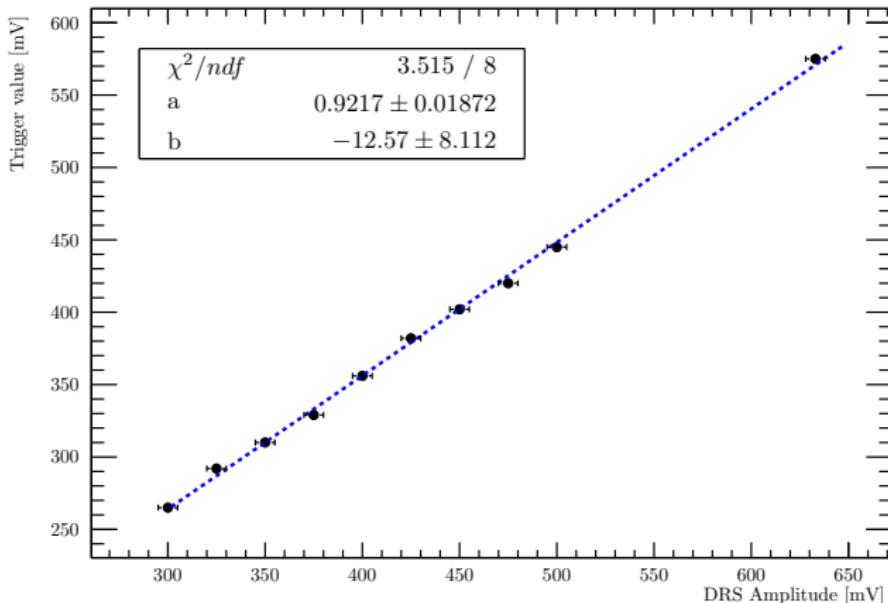


Figure: Channel 7.

Channels calibration

Calibration w166 ch8

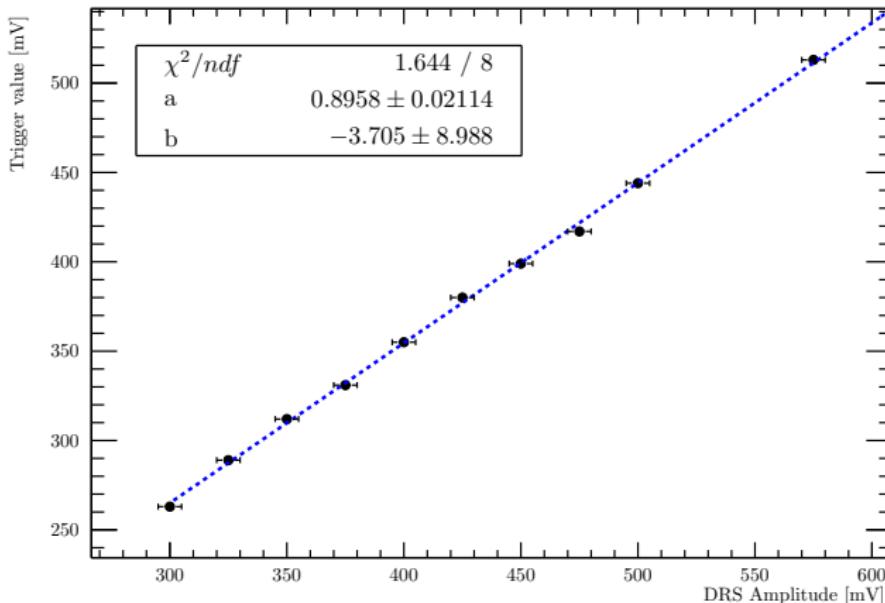


Figure: Channel 8.

Channels calibration

Calibration w166 ch9

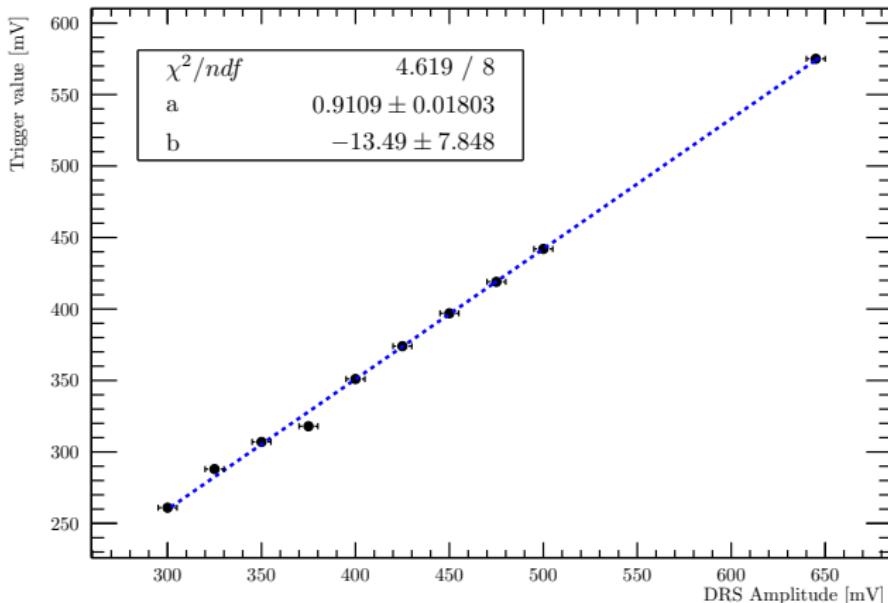


Figure: Channel 9.

Channels calibration

Calibration w166 ch10

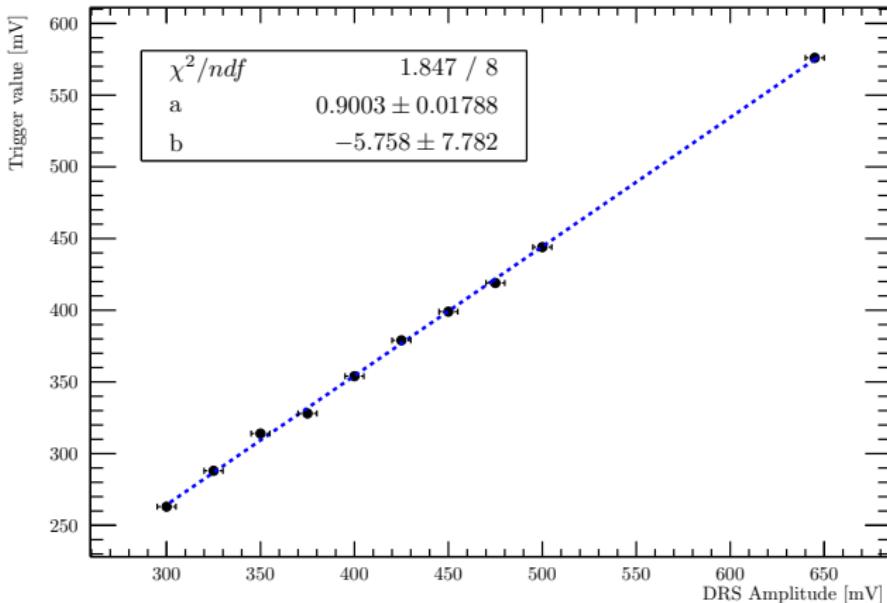


Figure: Channel 10.

Channels calibration

Calibration w166 ch11

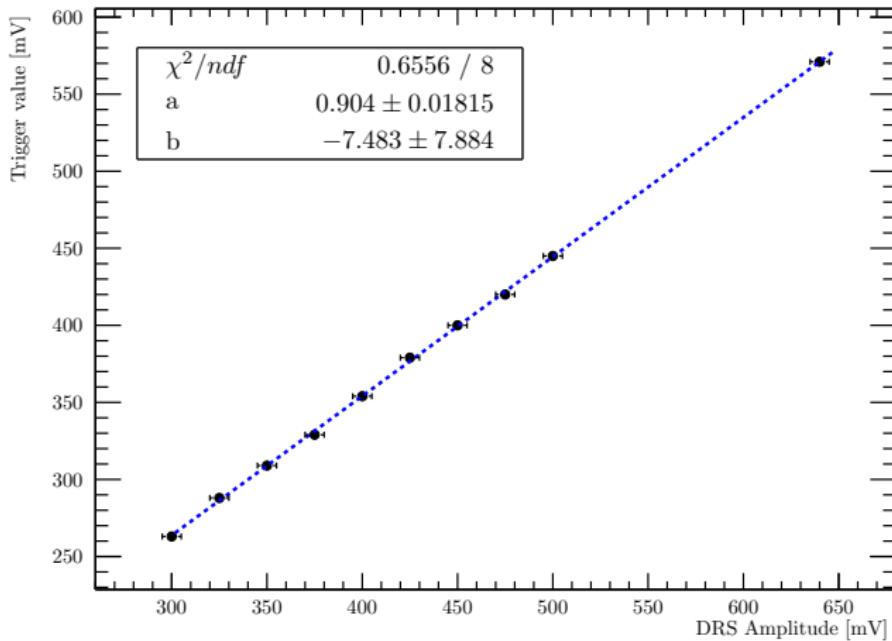


Figure: Channel 11.

$$\text{Trigger value} = a \times \text{DRS-Amplitude} + b \quad (1)$$

Channel	a [mV ⁻¹]	b [mV]
00	0.9255 ± 0.01877	-7.373 ± 8.133
01	0.9283 ± 0.01881	-13.65 ± 8.151
02	0.925 ± 0.01876	-9.959 ± 8.13
03	0.9199 ± 0.01869	-12.5 ± 8.1
04	0.9169 ± 0.01865	-9.624 ± 8.084
05	0.9262 ± 0.01879	-16.15 ± 8.142
06	0.92 ± 0.0187	-7.043 ± 8.102
07	0.9217 ± 0.01872	-12.57 ± 8.112
08	0.8958 ± 0.02114	-3.705 ± 8.988
09	0.9109 ± 0.01803	-13.49 ± 7.848
10	0.9003 ± 0.01788	-5.758 ± 7.782
11	0.904 ± 0.01815	-7.483 ± 7.884

References



Antonella Alessandra Blancato

Rischi da radiazione nei voli interplanetari

Tesi di Laurea, 2007-2008