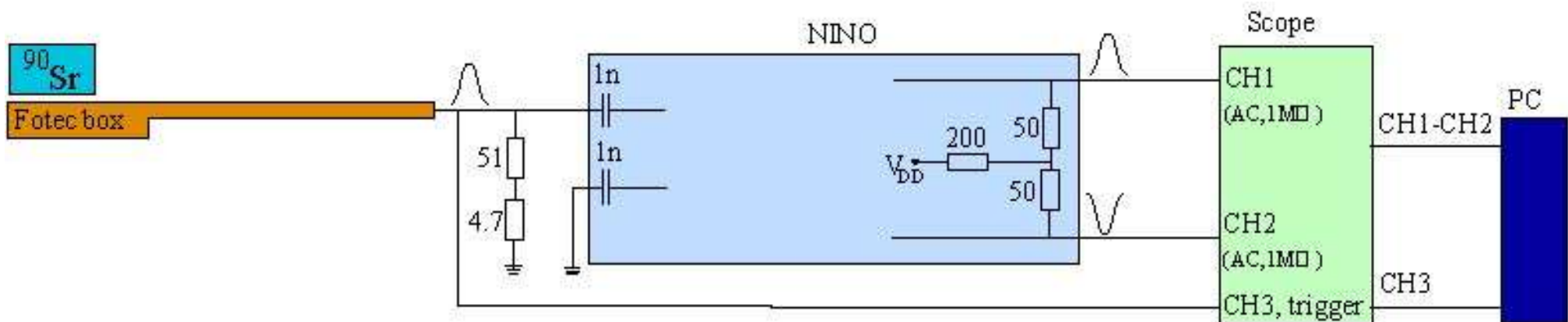


NINO tests:

correlation between input signal amplitude and
output signal width

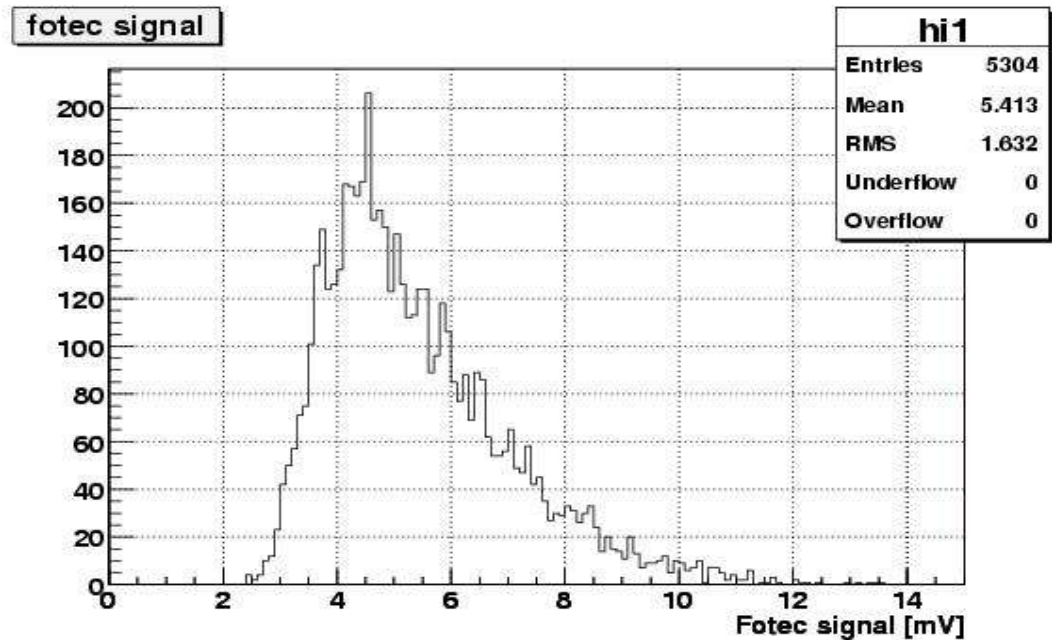
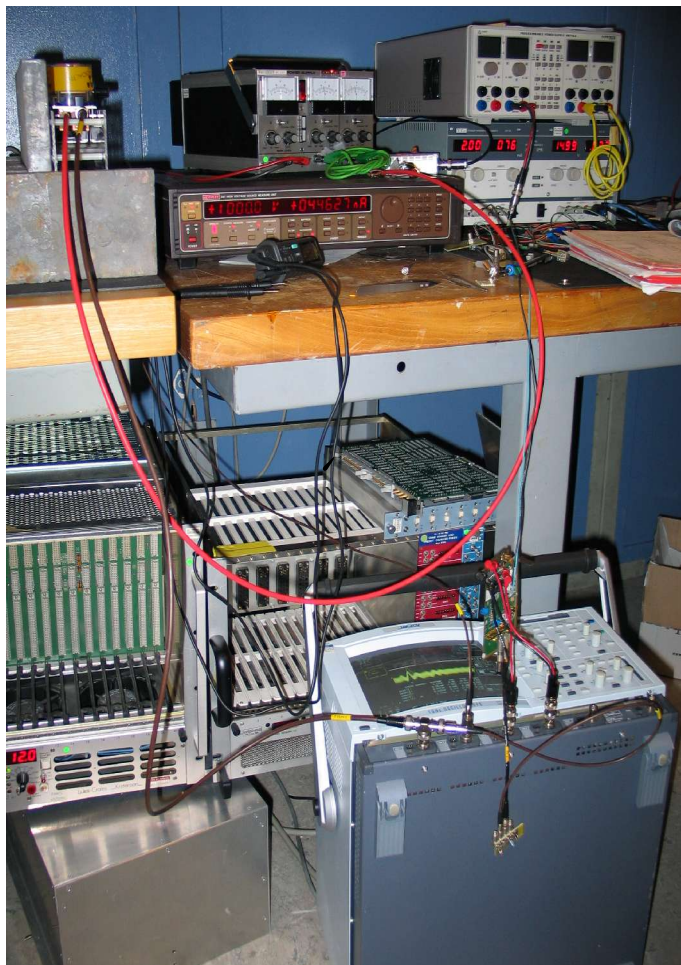
I. Dolenc, A. Gorisek

Setup

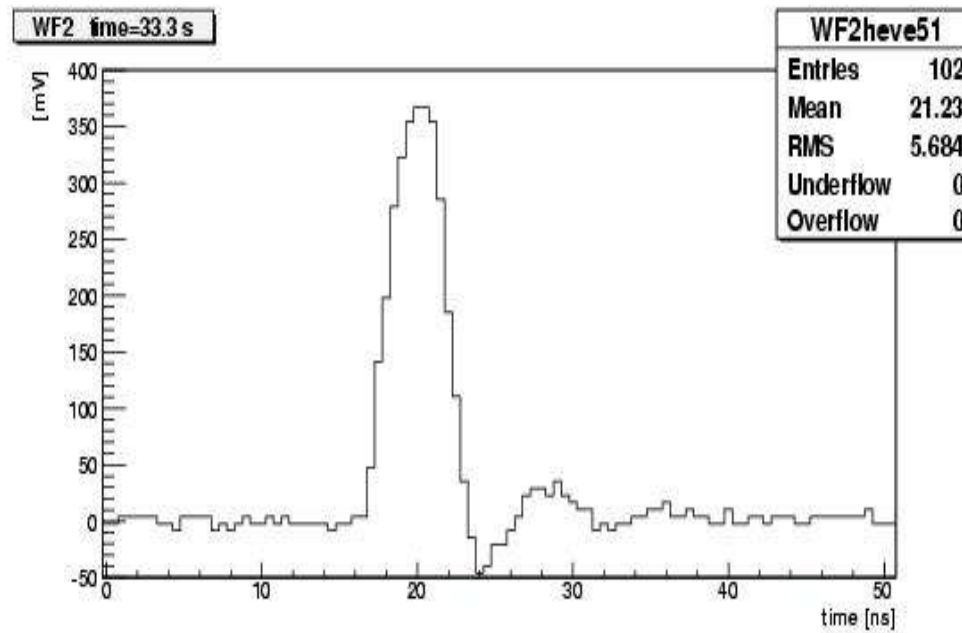
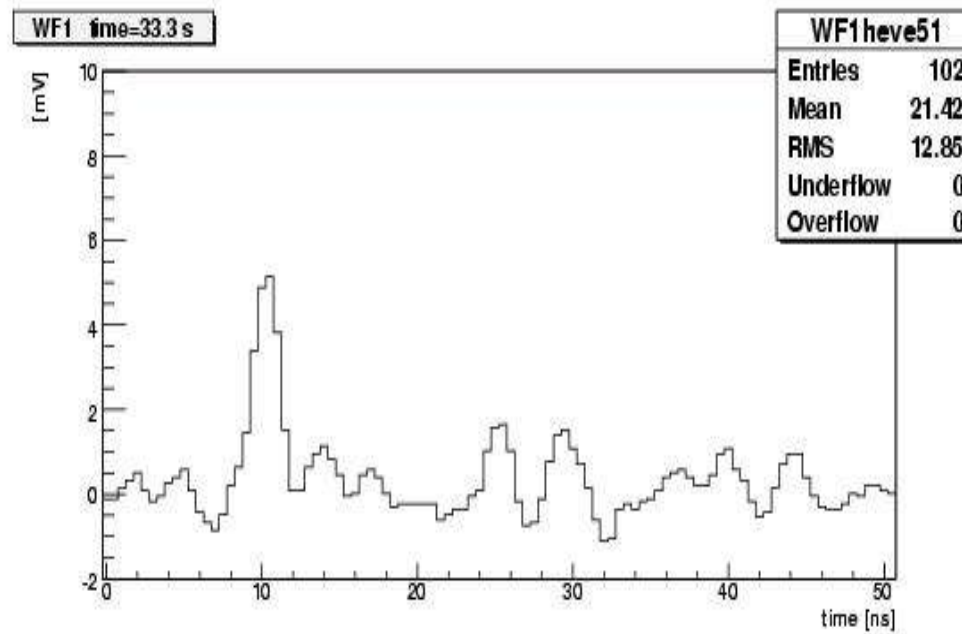


2 potentiometers on NINO board:

- changin threshold
- Rext

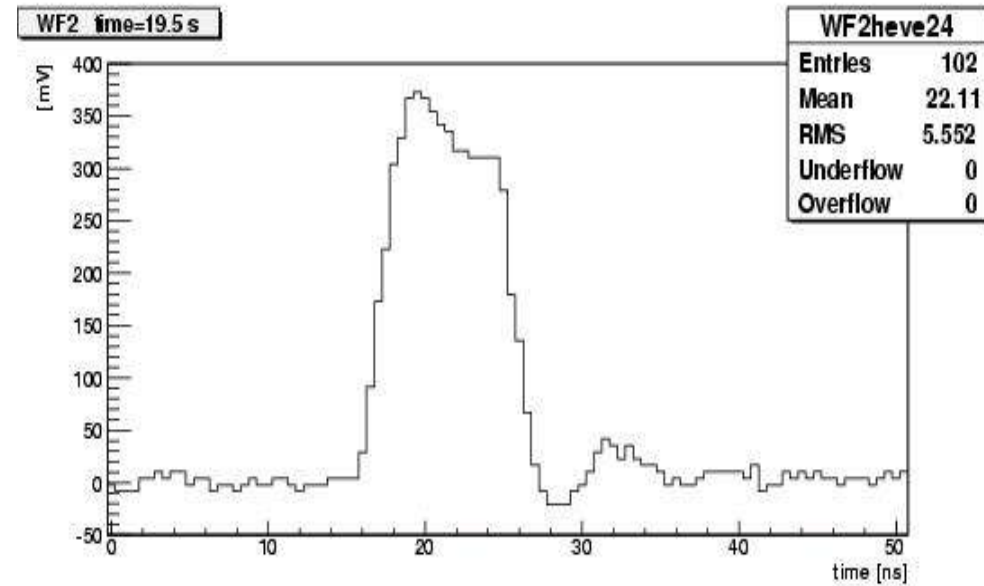
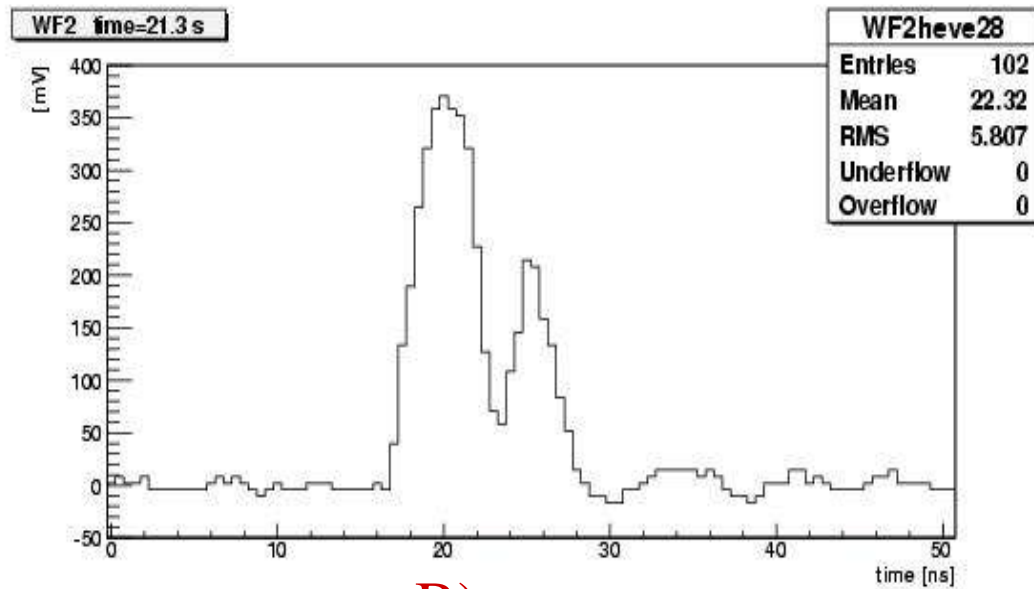
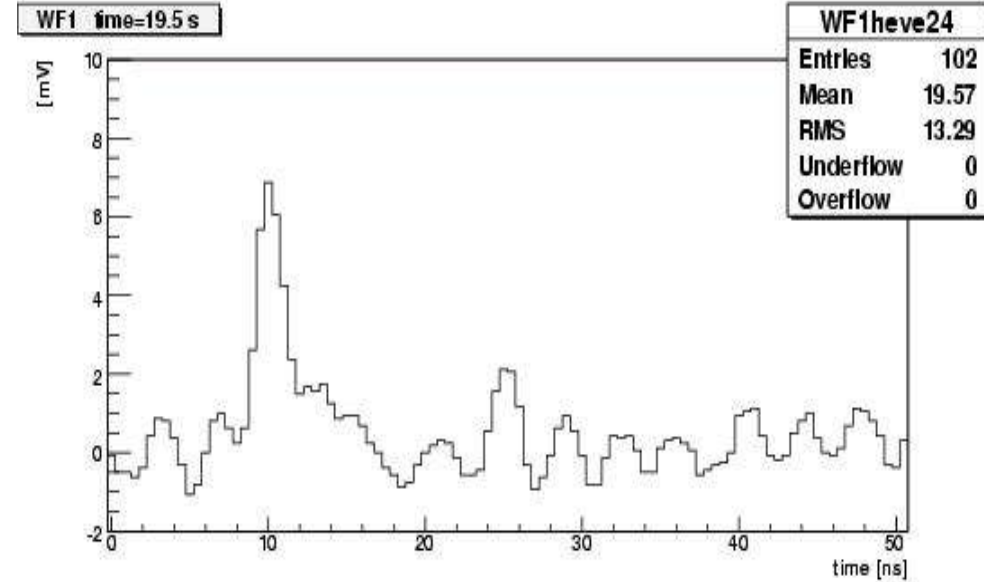
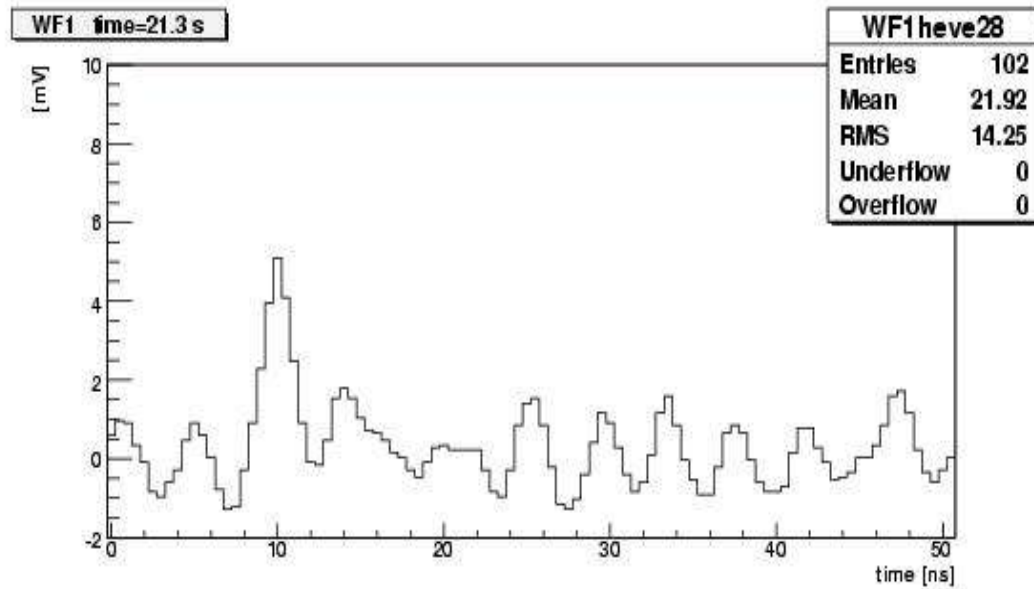


Signals:



A)

Signals:

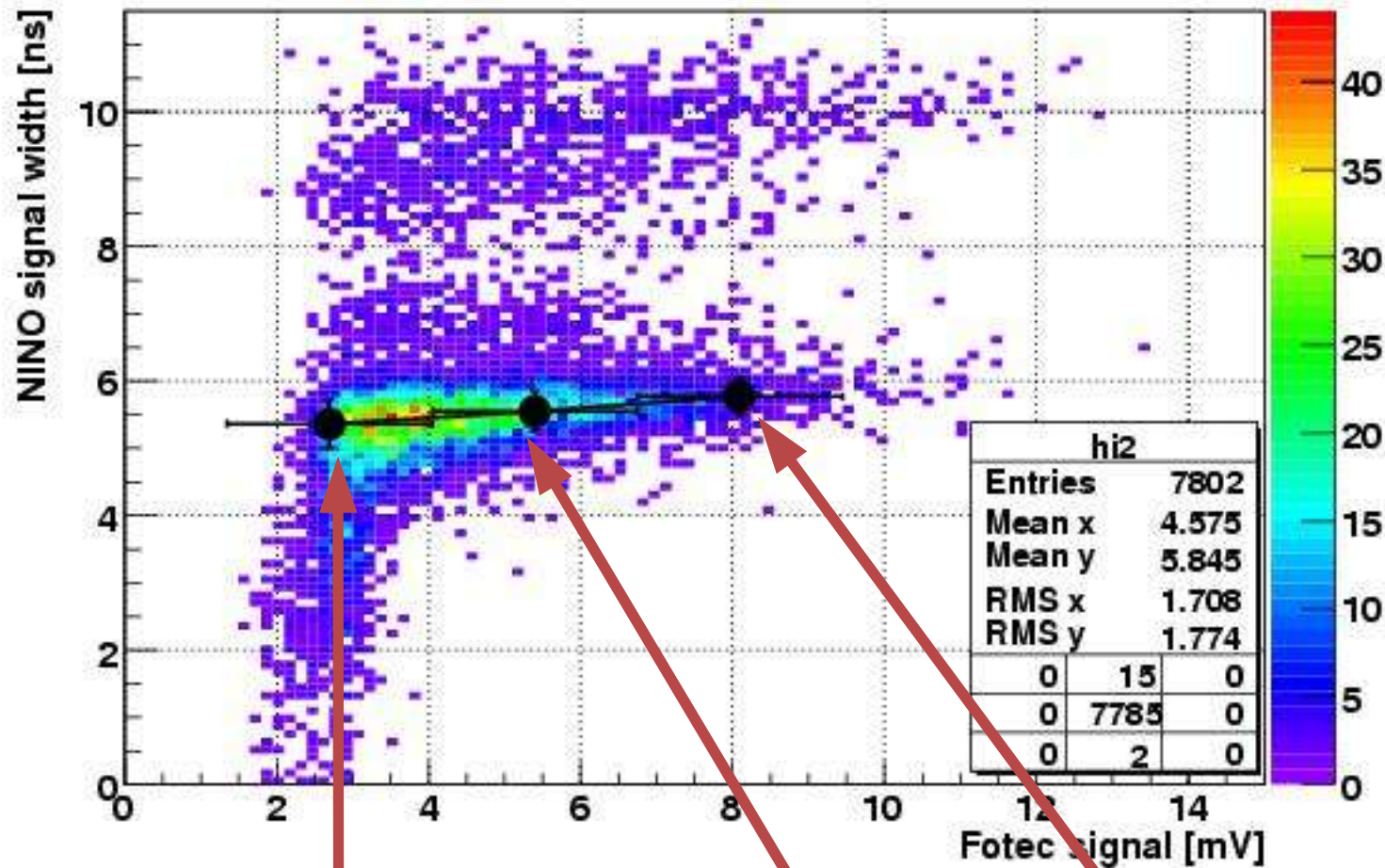


B)

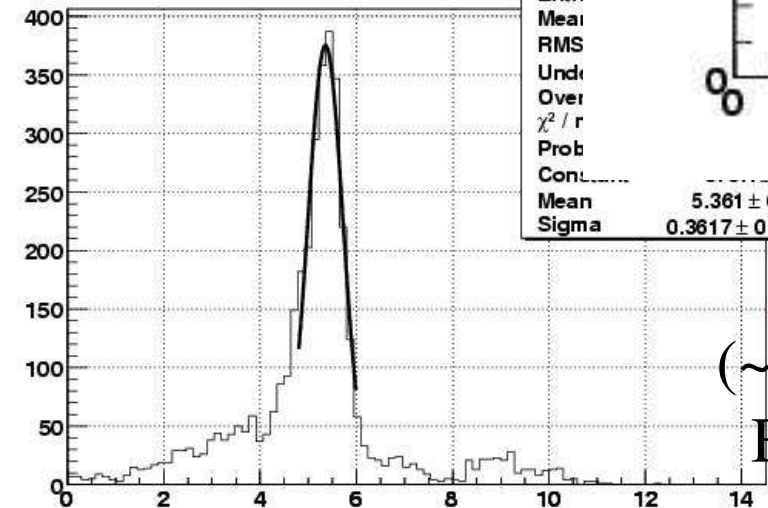
C)

NINO thr ~100mV, Rext=leftmost(min?)

width@100mV



1MIP, 2.7mV



Entri	
Mean	
RMS	
Unde	
Over	
χ^2 / r	
Prob	
ConL	
Mean	5.361 ± 0.010
Sigma	0.3617 ± 0.0129

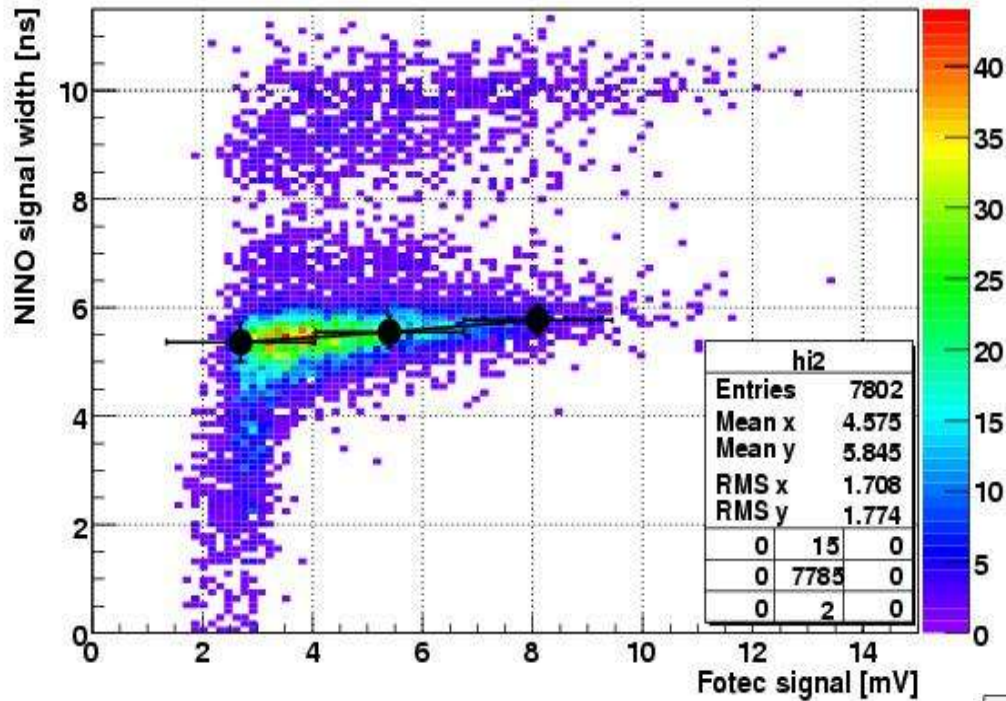
1MIP slice
(~2.7mV if 200MHz
BWL and 1000V)

2MIP
slice

3MIP
slice

Rext = leftmost

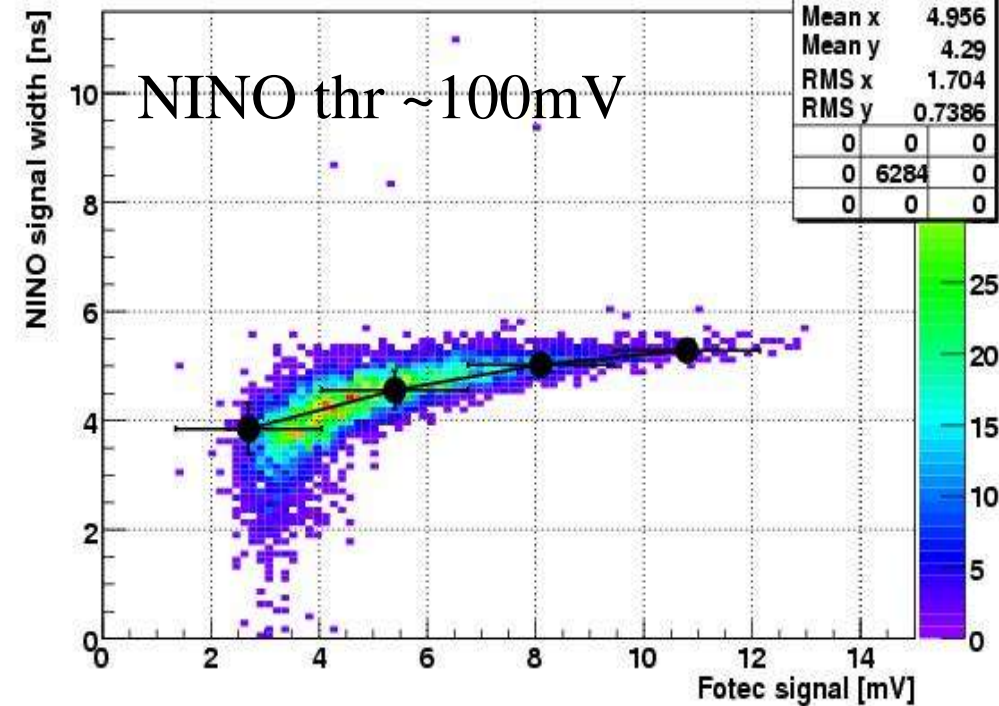
width@100mV



NINO thr ~100mV

Rext = rightmost

width@100mV



width@100mV

