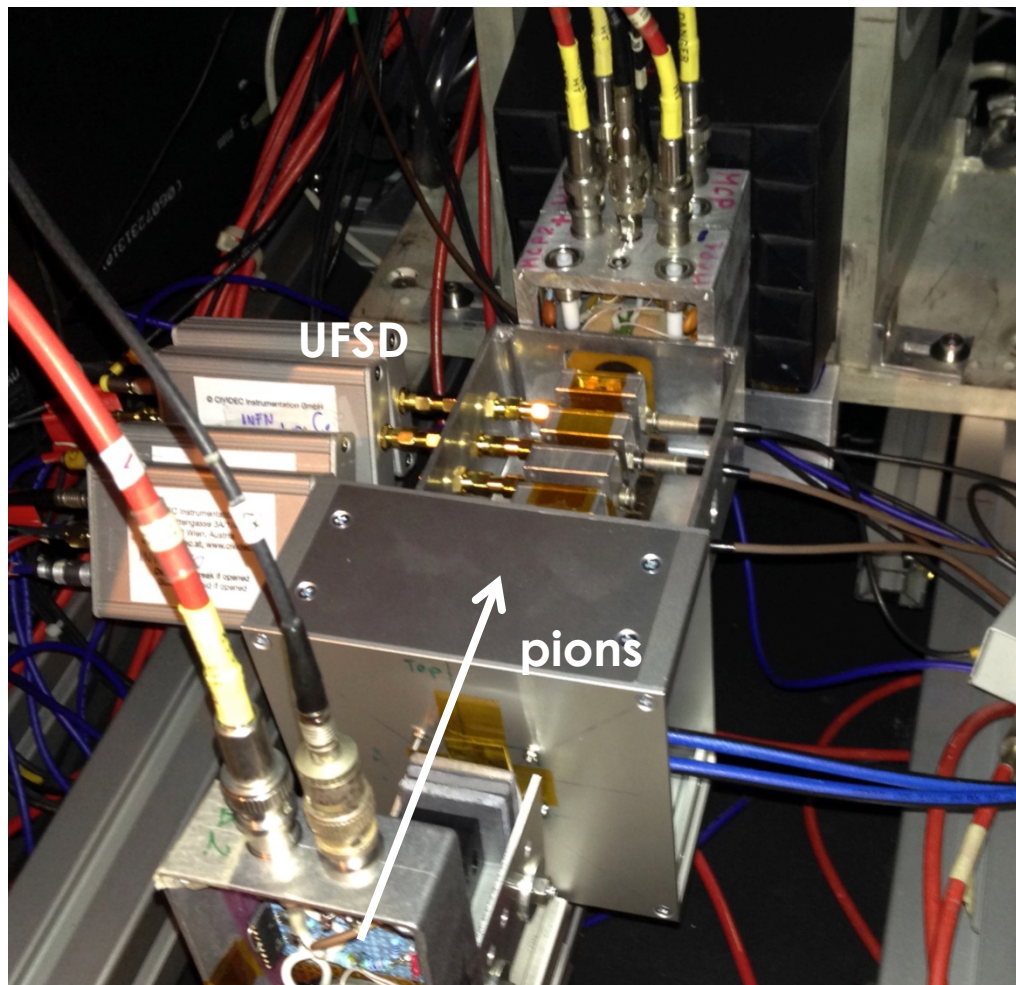
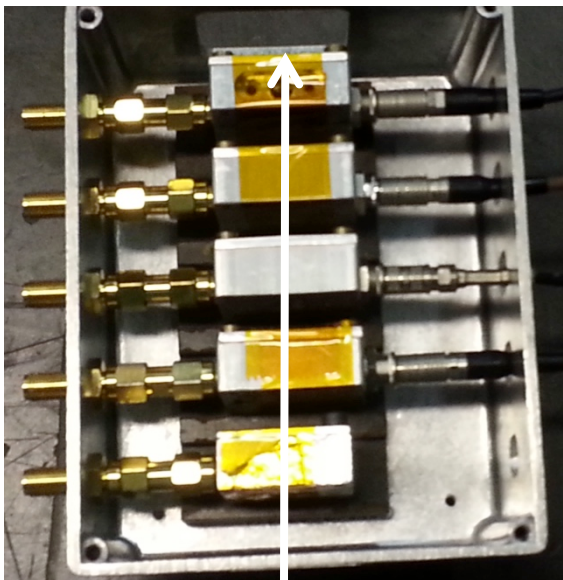
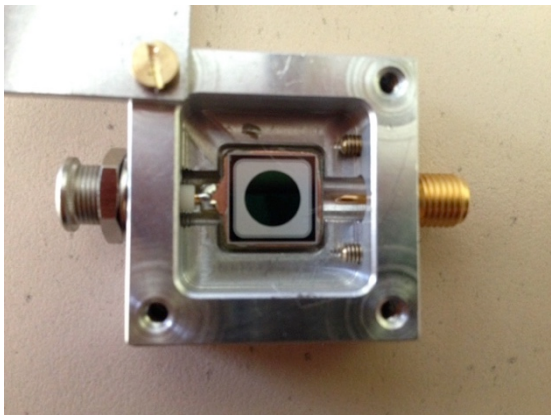


UFSD update

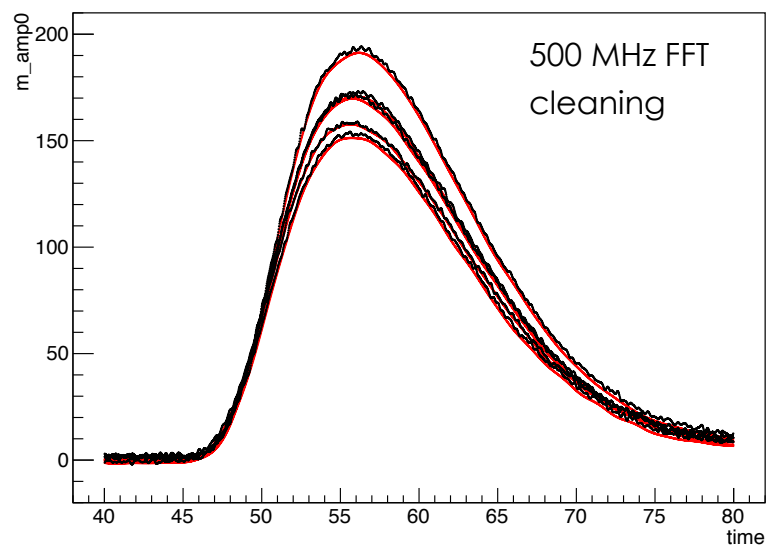
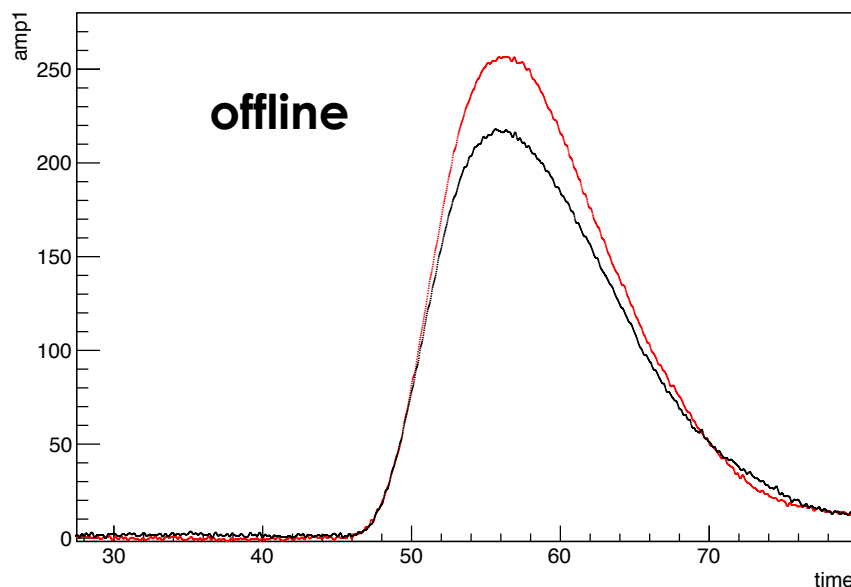
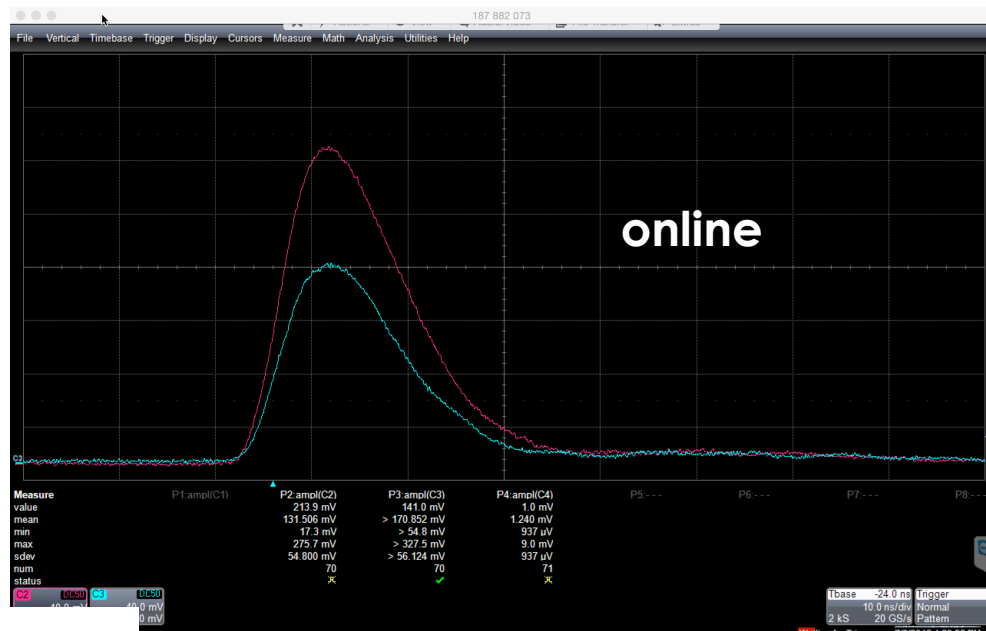
Testbeam Set-up

Testbeam part of the July
CMS HGC

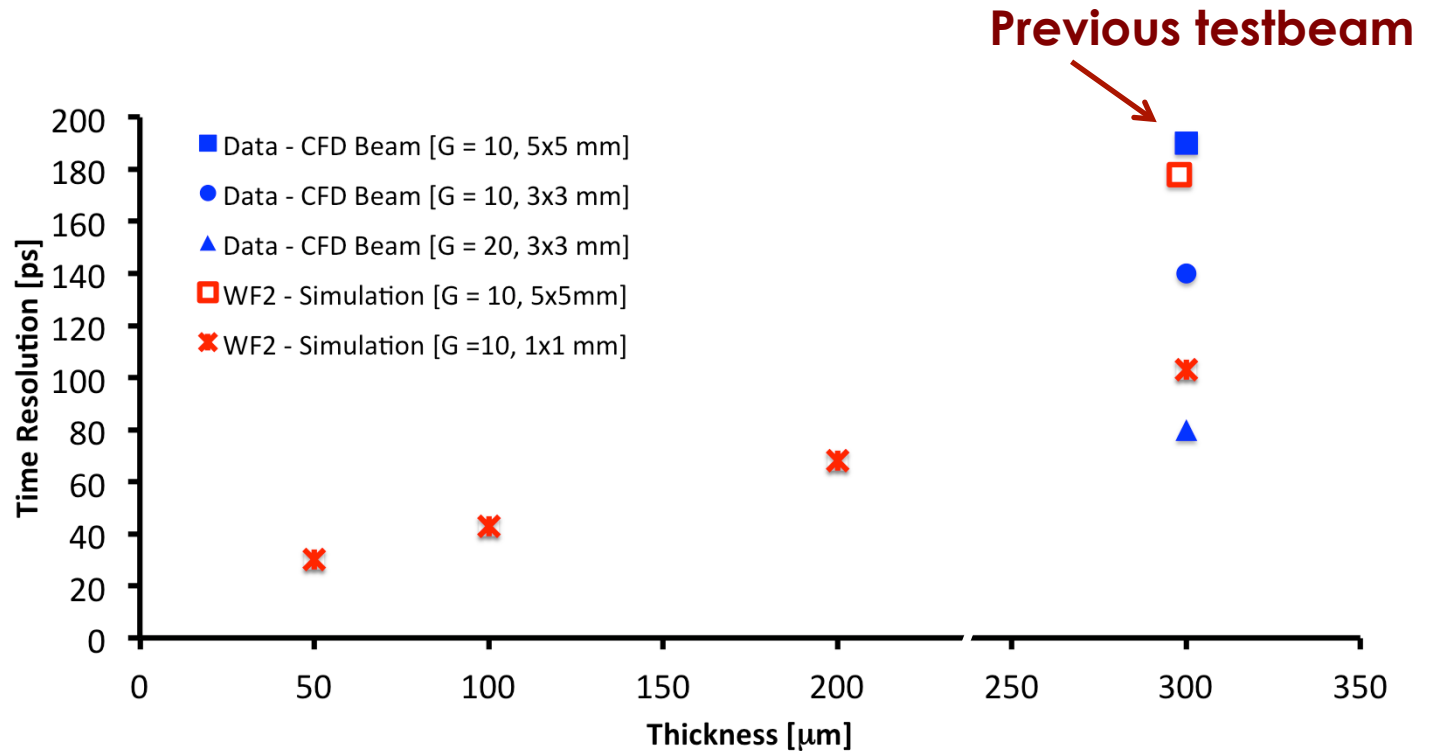


Testbeam: signal and noise

- Testbeam, very clean shape:
- 120 GeV muons
- Two UFSD, gain 10 and gain 20.
- Read-out with a CSA amplifier with a 4 ns integration time.
- Noise ~ 1 mV,
- Signal ~ 150 -200 mV
- Rise time 20-80% ~ 5 ns



Testbeam Results



Gain 10 → resolution ~ 145 ps

Gain 20 → resolution ~ 85 ps

New productions: winter 2015

FBK: 300 micron, UFSD new production.

Gain foreseen ~ 10-20

CNM: 50 and 100 micron thick silicon, with final PPS geometry

