

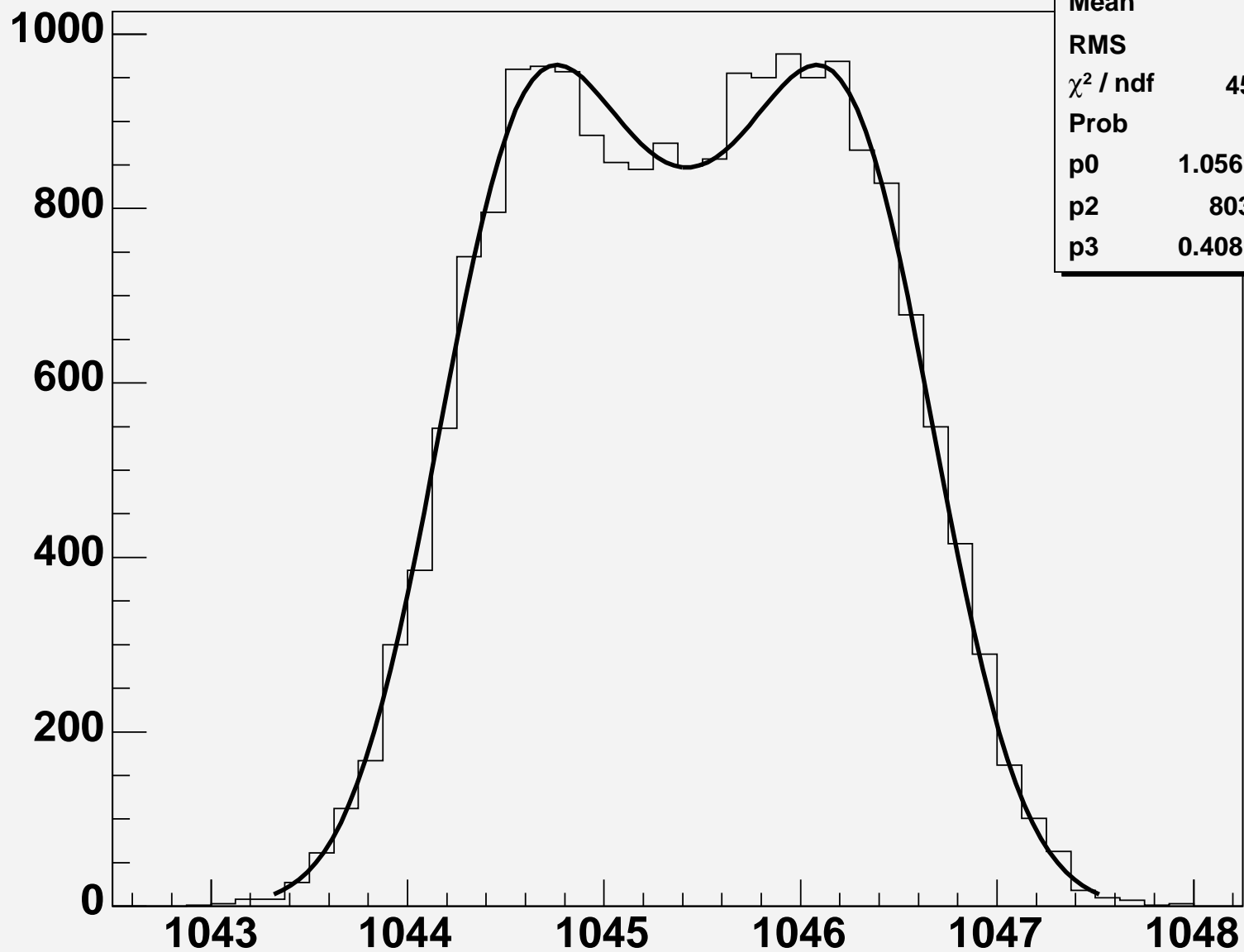
Cold Test with Front End Crate

Emanuel Rauter, HEC Group Meeting, April 14th, 2005

First statements

- coherent noise on several channels
- bad channels in FEC set up are worse than in old set up may be due to new PS
- some channels show good correlation
- coherent noise seems to be a combination of a high and a low frequency

sum_m_2_119

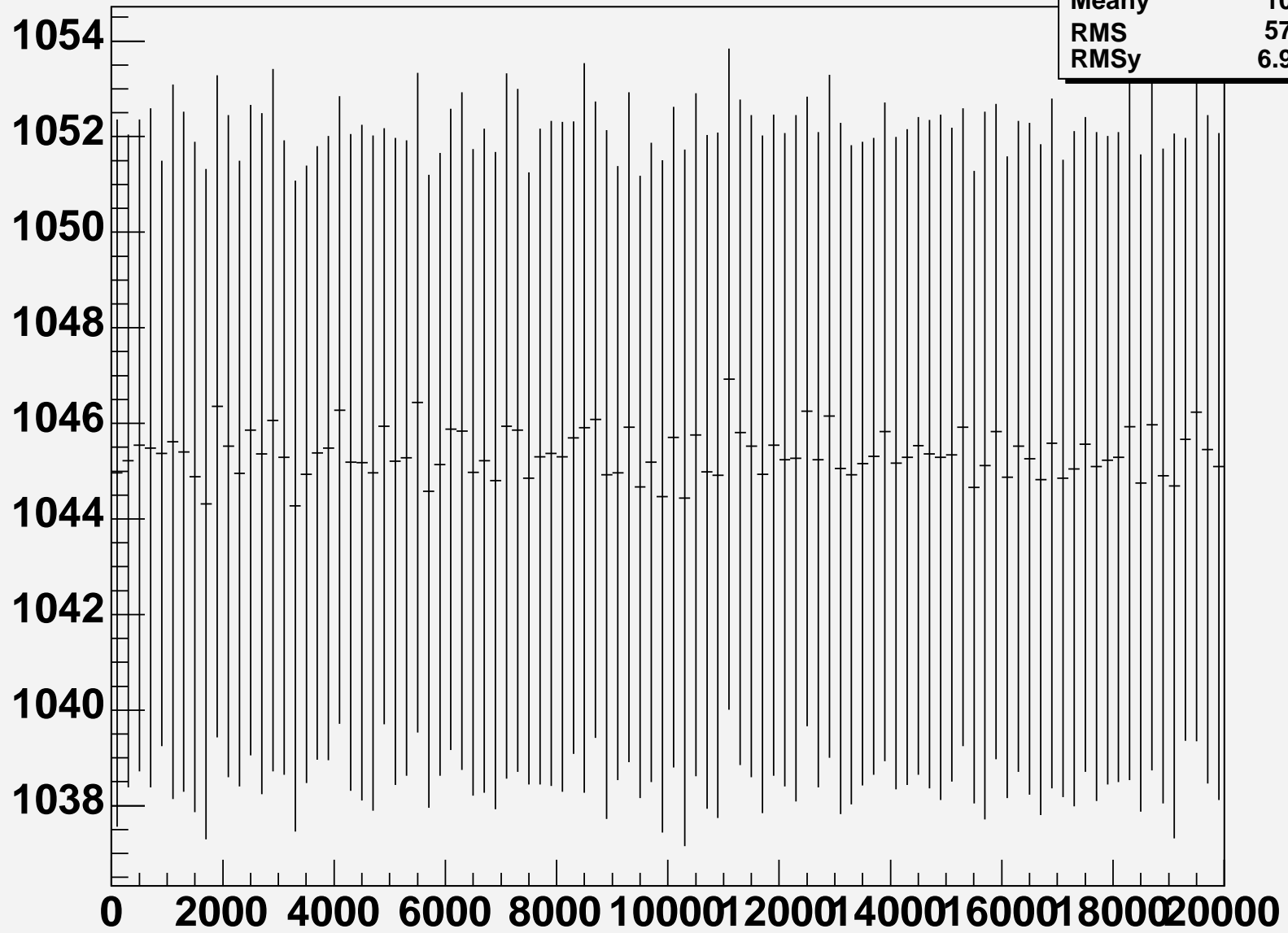


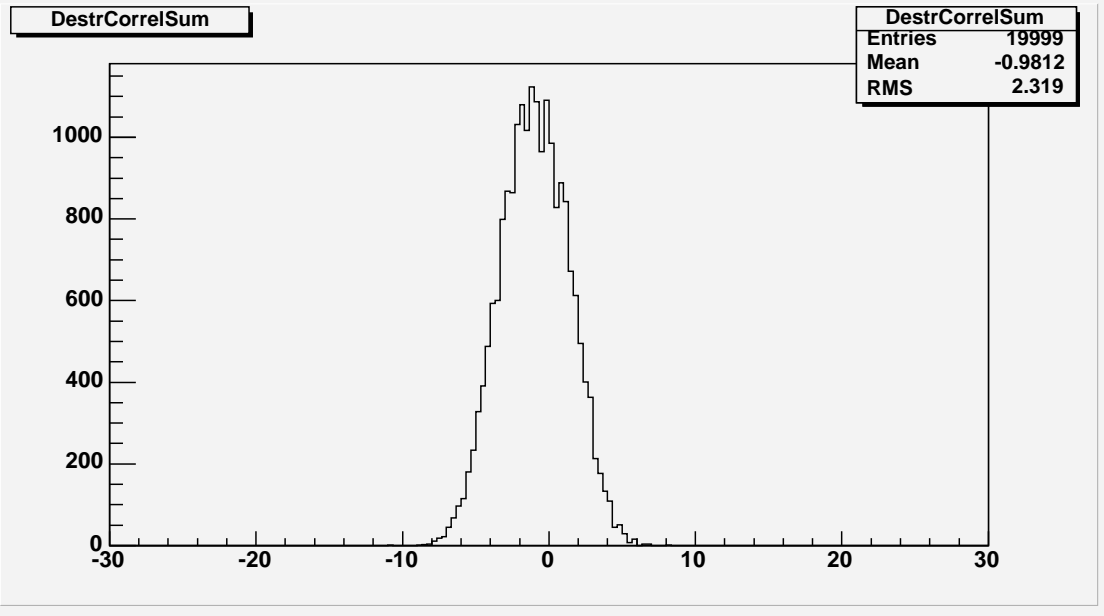
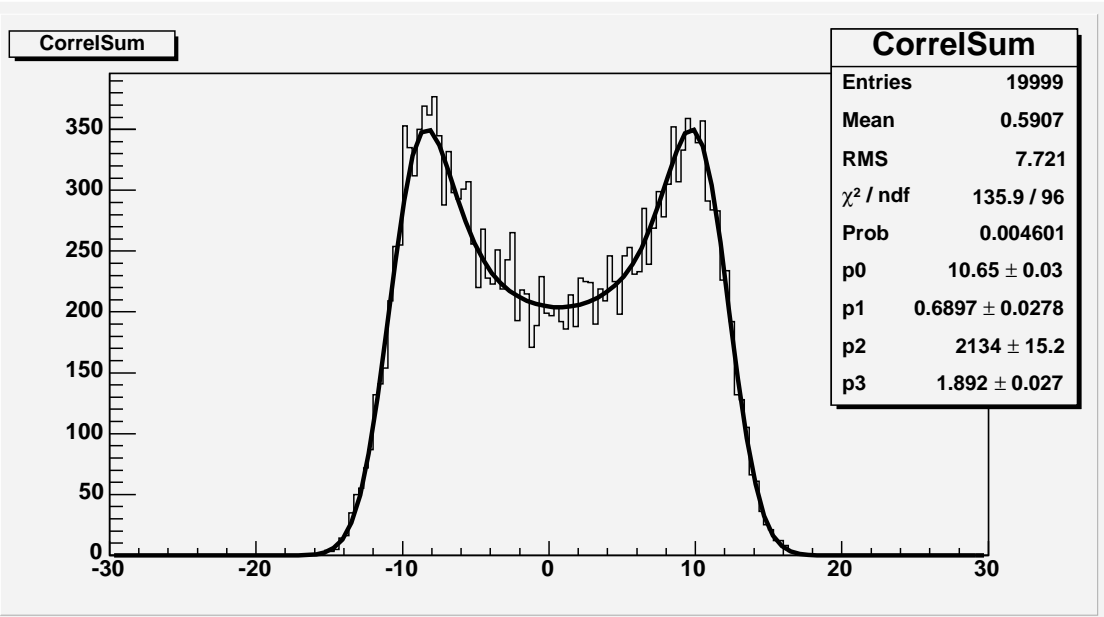
sum_m_2_119

Entries	19999
Mean	1045
RMS	0.8489
χ^2 / ndf	45.43 / 31
Prob	0.04563
p0	1.056 ± 0.006
p2	803.4 ± 5.7
p3	0.408 ± 0.005

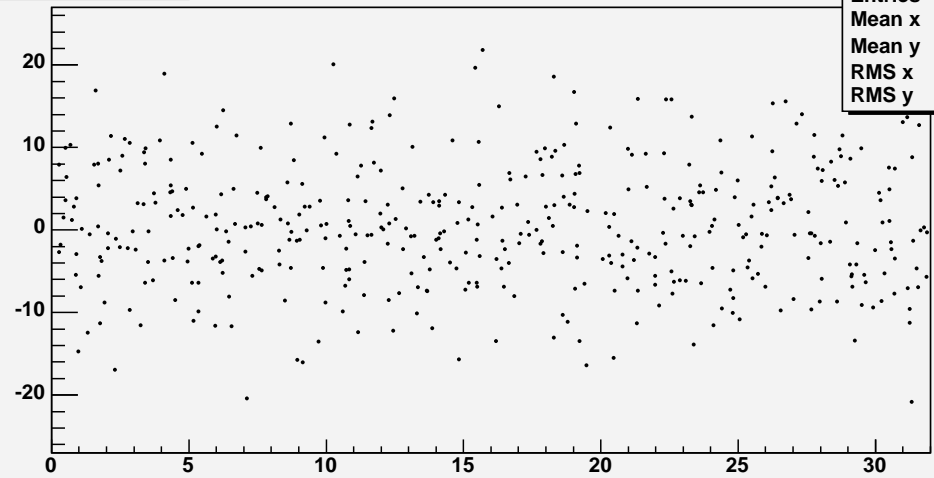
ped_m_2_119

ped_m_2_119	
Entries	19999
Mean	1e+04
Meany	1045
RMS	5773
RMSy	6.923





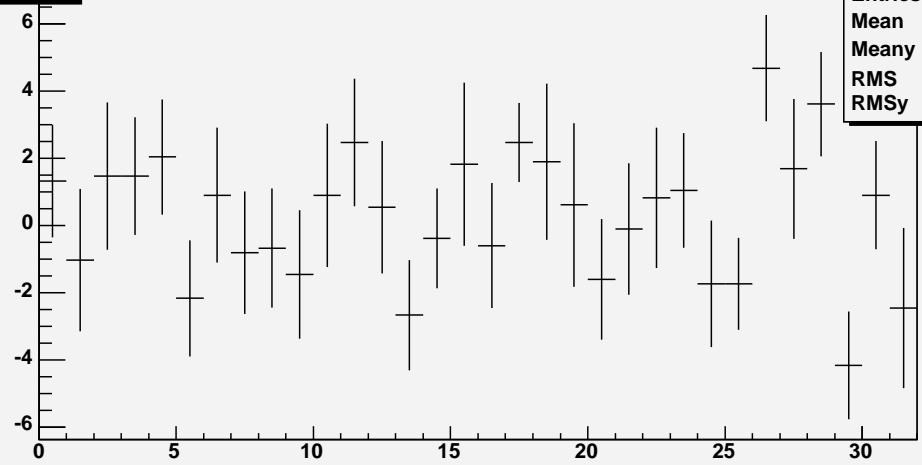
Structure_TH2_5



Structure_Destr_TH2_5

Entries	448
Mean x	16
Mean y	0.3839
RMS x	9.233
RMS y	7.331

Structure_5



Structure_5

Entries	448
Mean	16
Meany	0.2859
RMS	9.233
RMSy	7.329

To be done

- auto correlation function
- compute ratio white noise to coherent noise
- look at difference between the different runs
- find better clusters