FarDet Track Reconstruction & Calibration

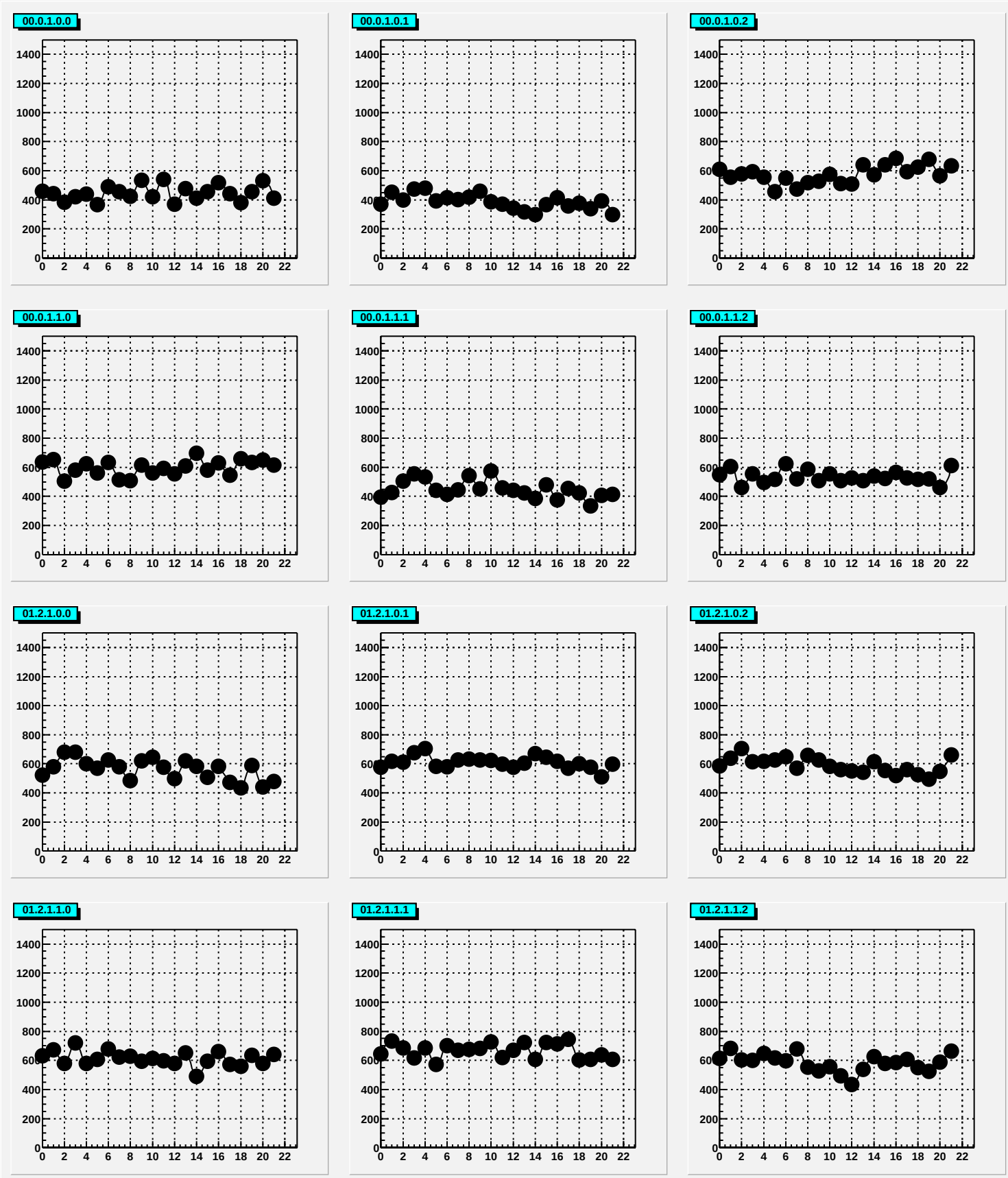
Roy Lee
Harvard University

The MINOS Collaboration Meeting

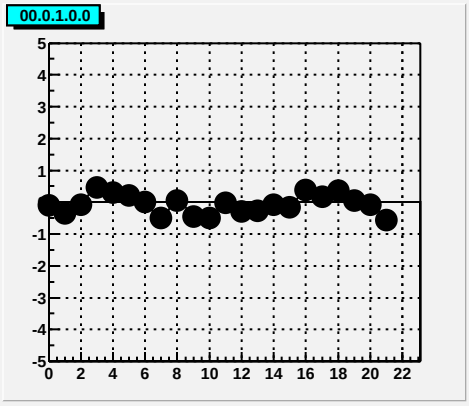
at Caltech

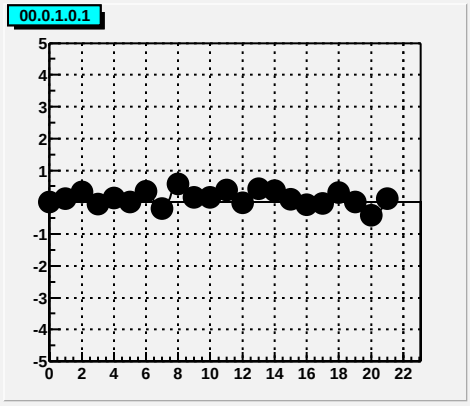
January 3-6, 2002

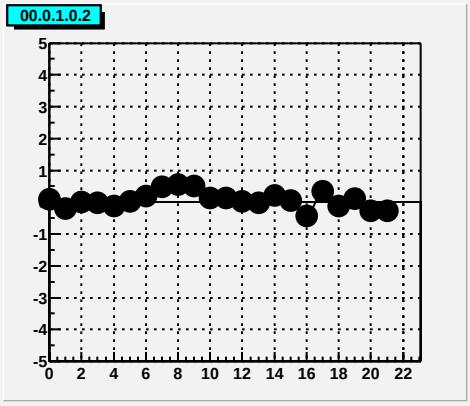
Pedestal Mean vs VA Channel

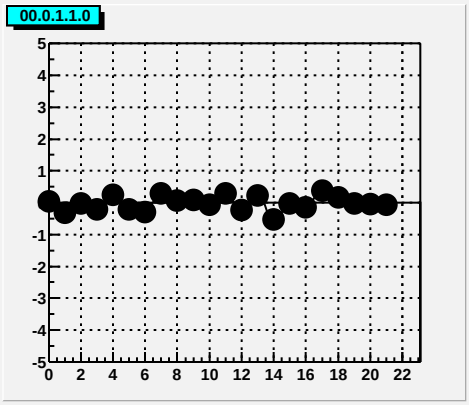


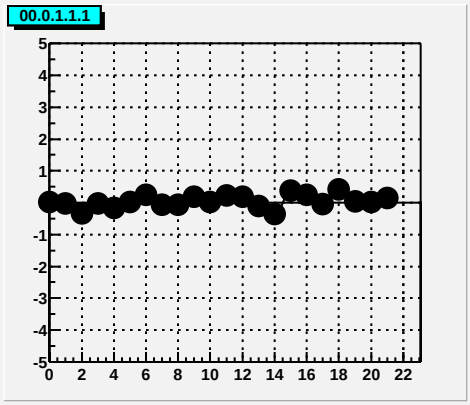
Fit - Mean vs VA Channel

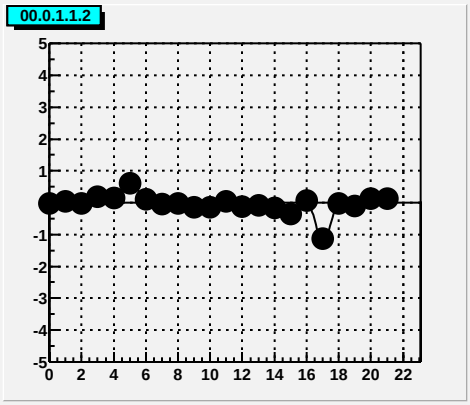


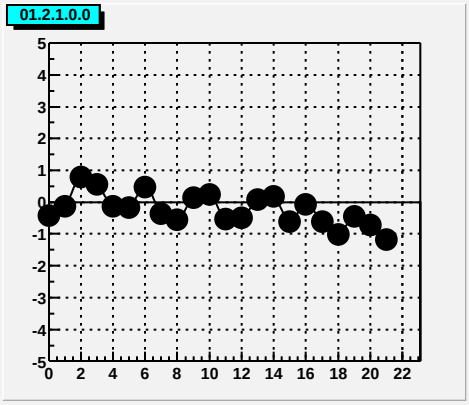


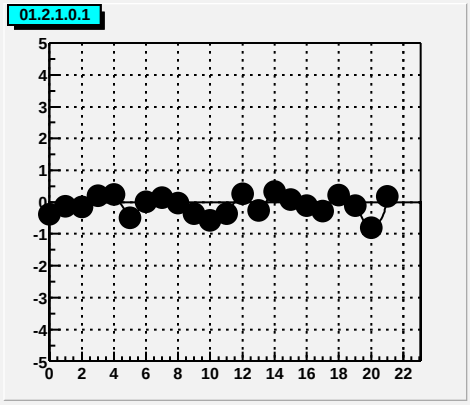


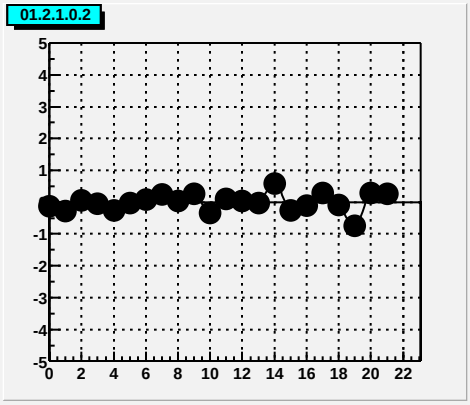


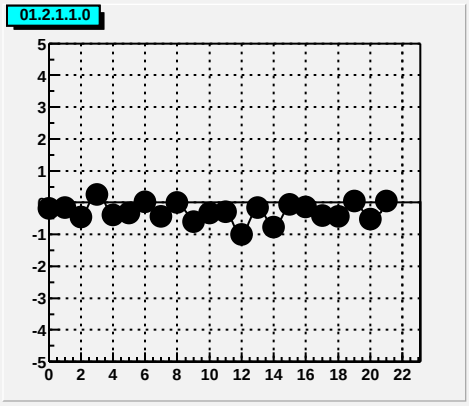


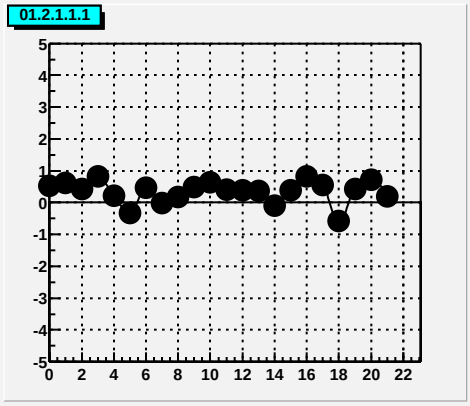


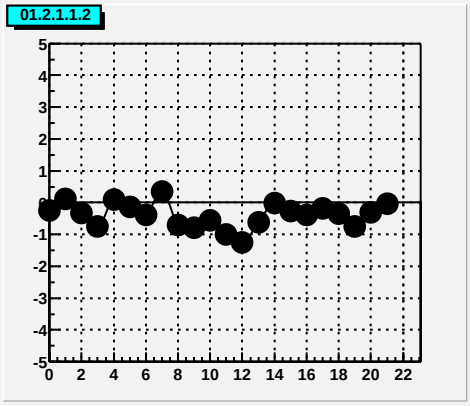




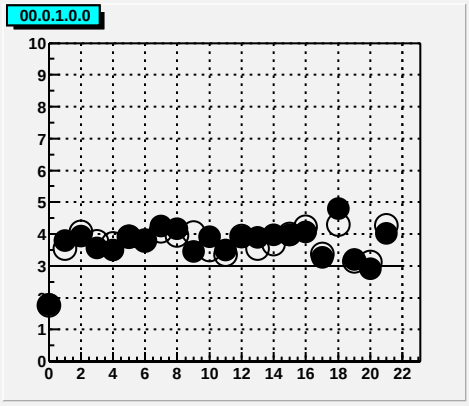


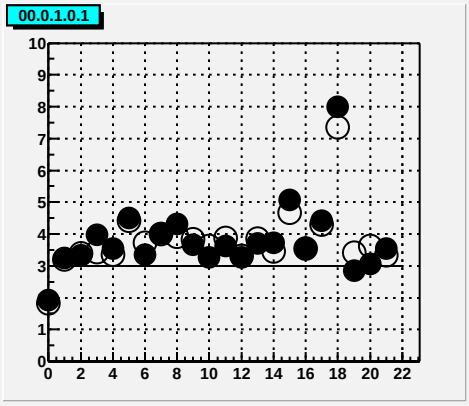


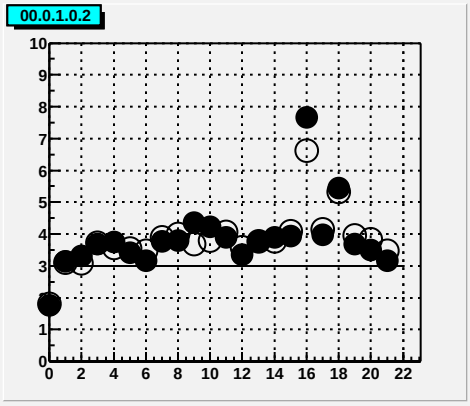


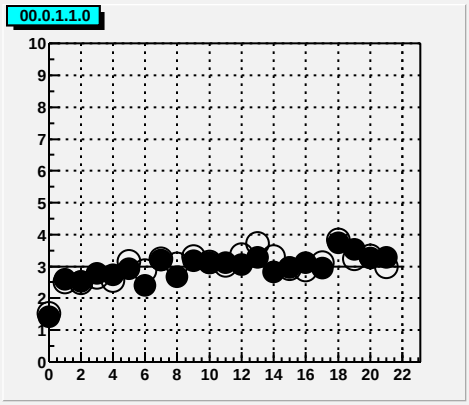


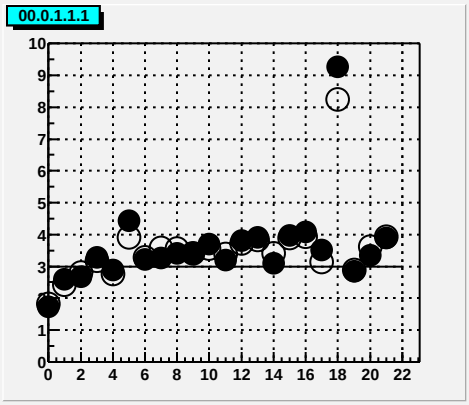
Pedestal RMS vs VA Channel

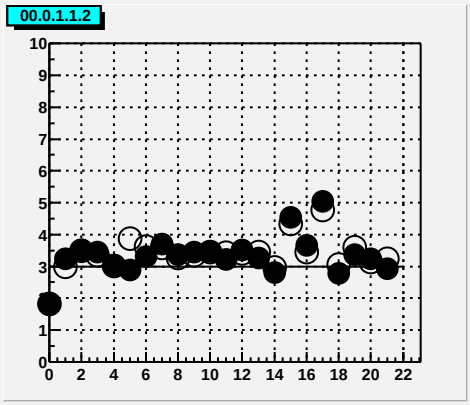


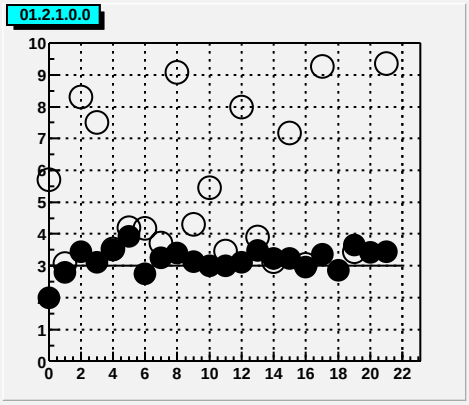


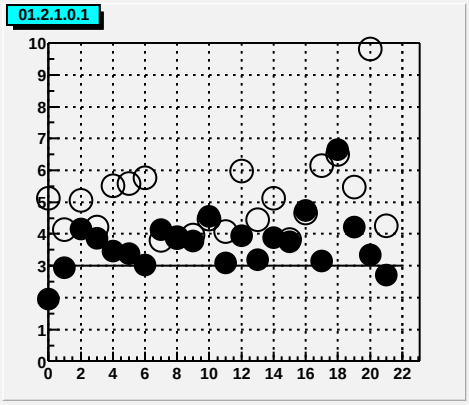


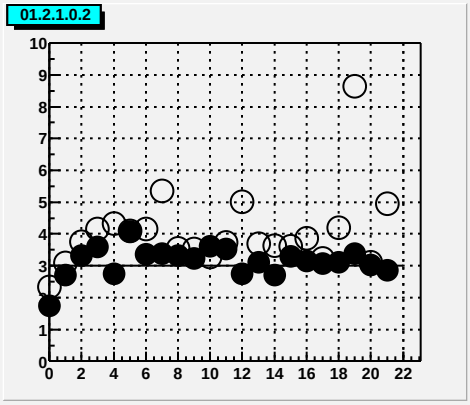


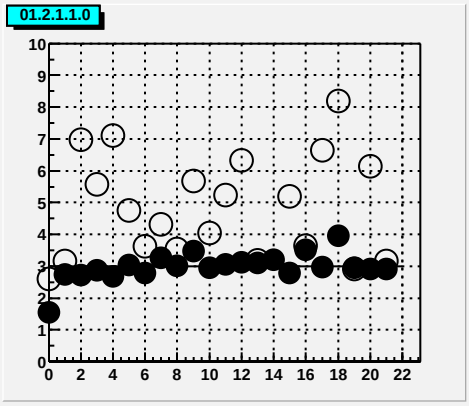


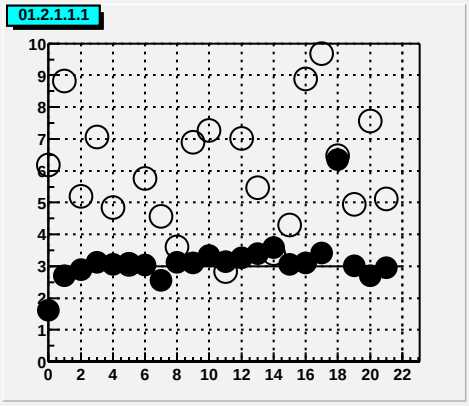


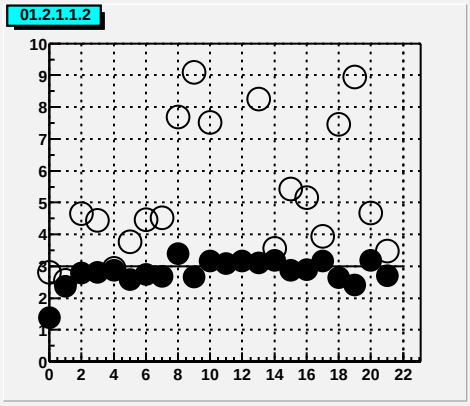




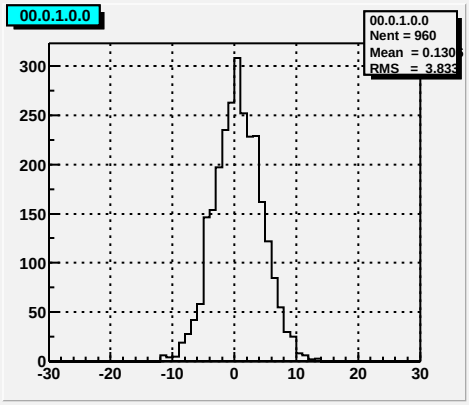


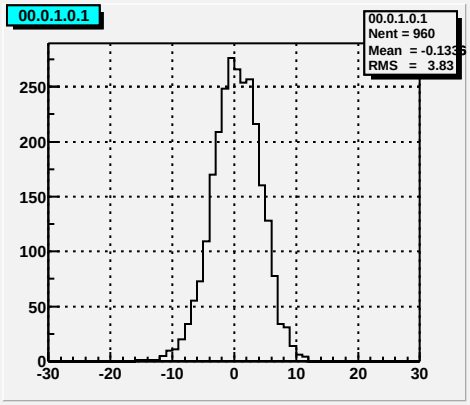


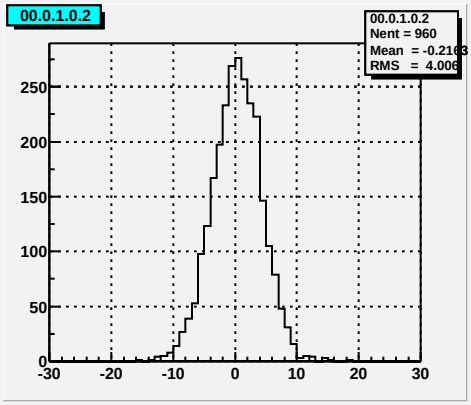


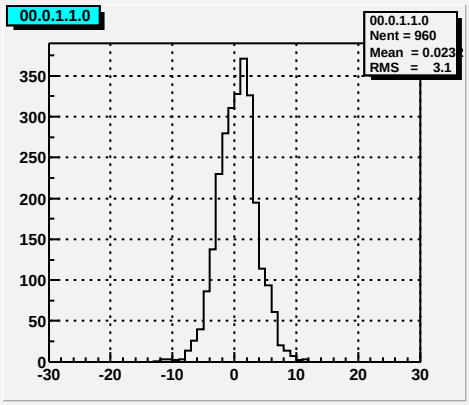


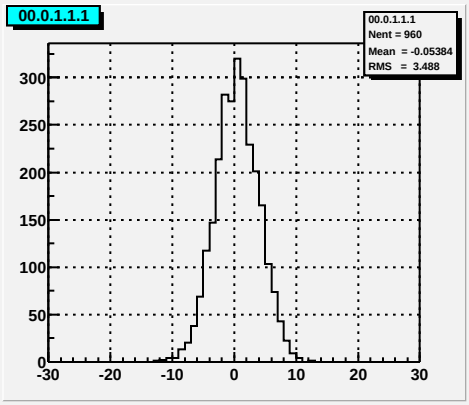
Ped Subtracted Pulse Height Distribution

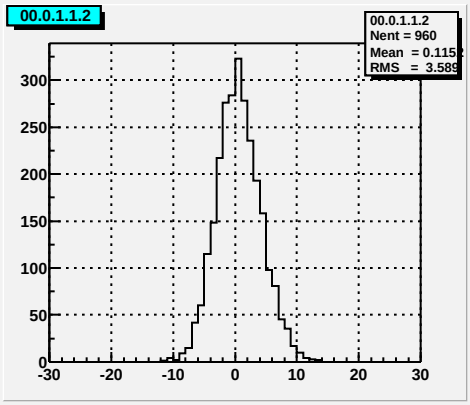


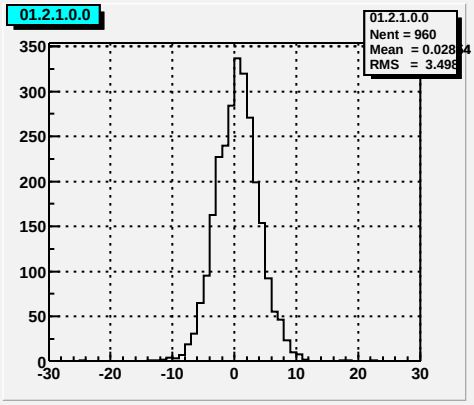


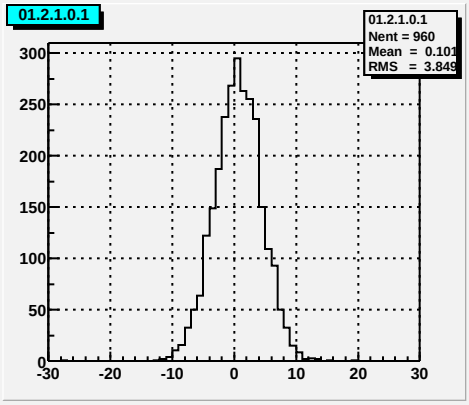


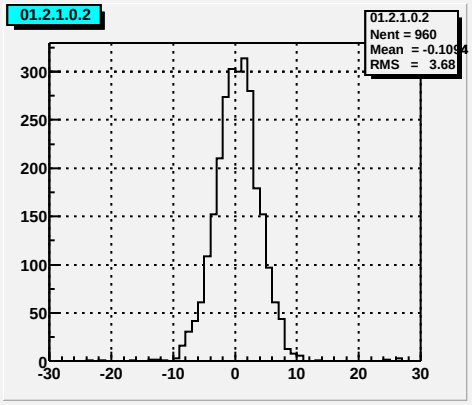


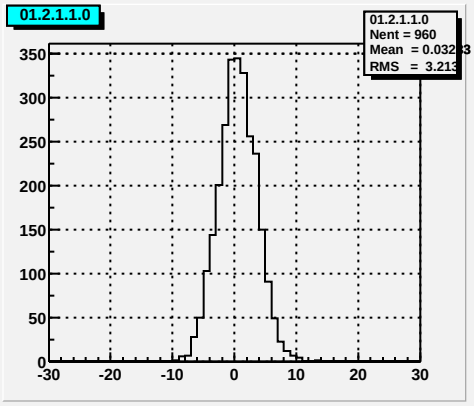


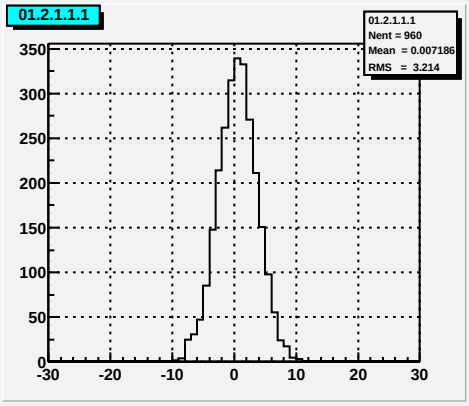


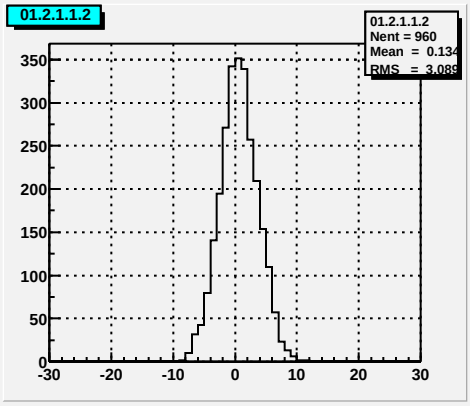










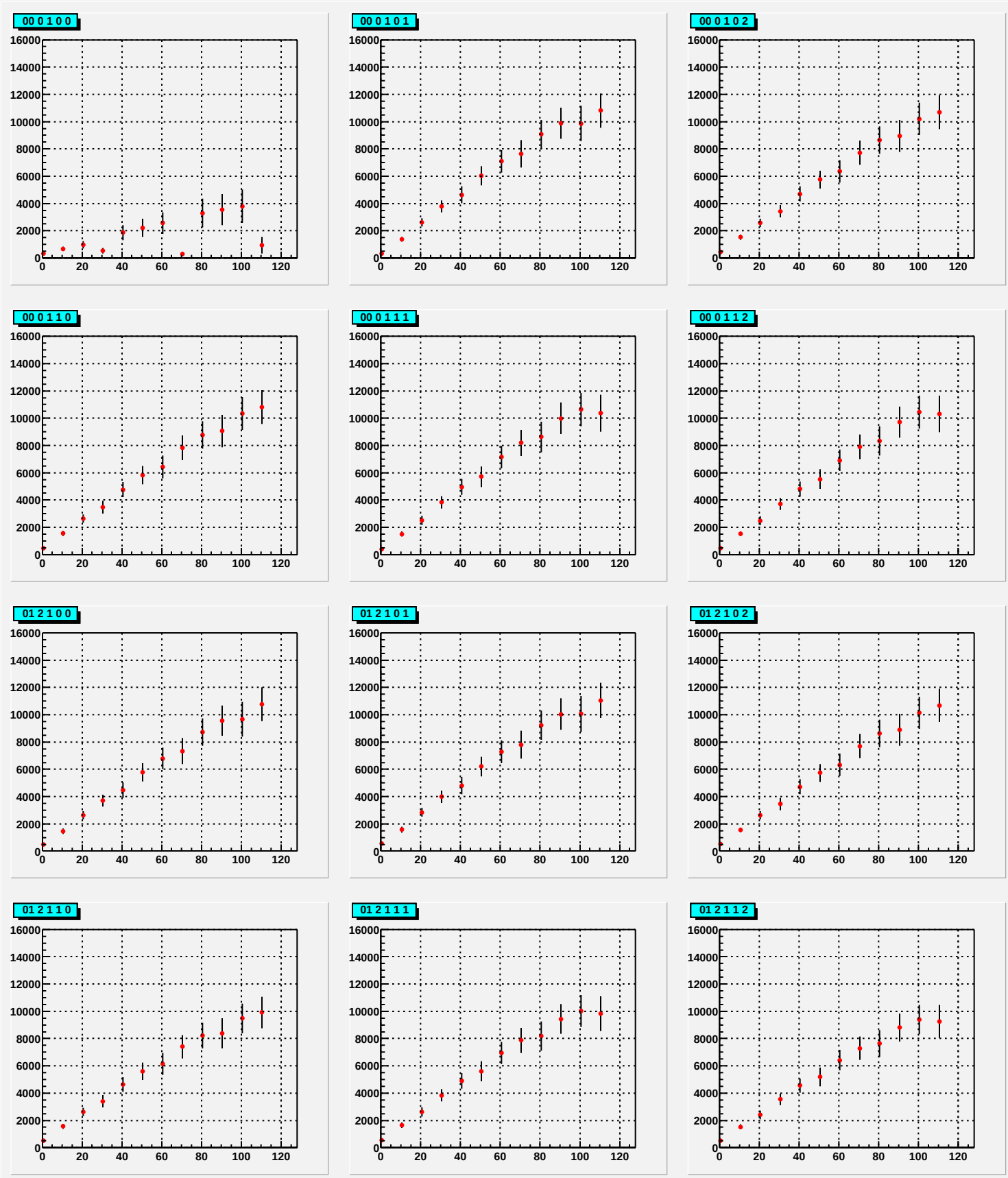


Crate.Varc.Vmm.Vaadc.Vachip

Charge Injection [00001520]

Planes 005 - 008

Pulse Height vs Injected Charge

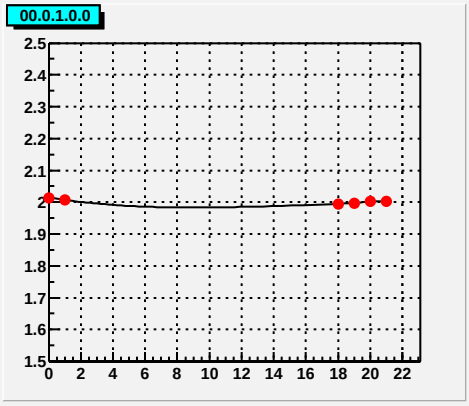


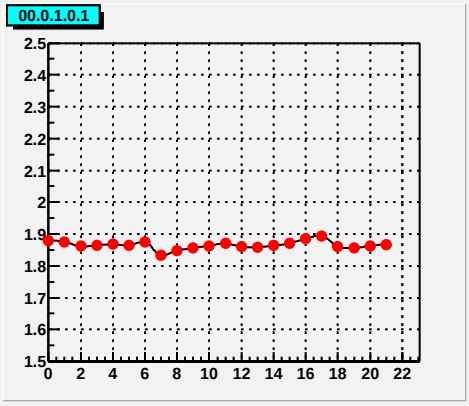
Crate.Varc.Vmm.Vaadc.Vachip

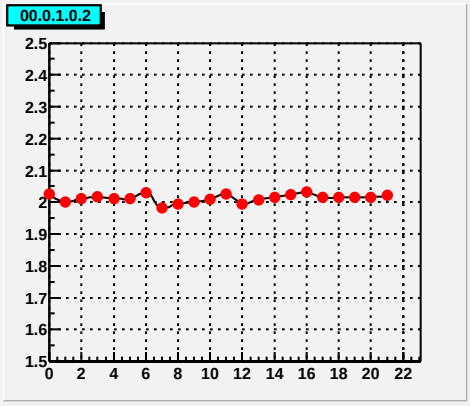
Charge Injection [00001520]

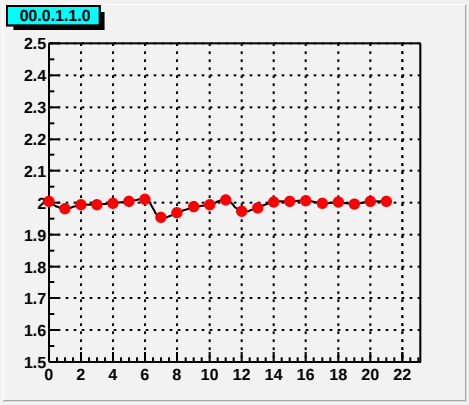
Planes 005 - 008

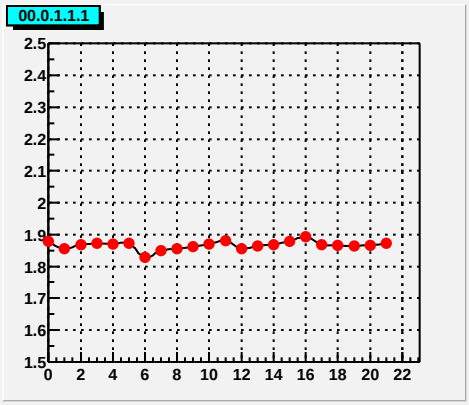
Gain vs VA Channel (fC/ADC)

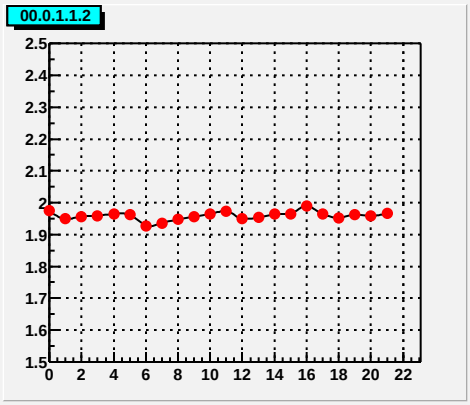


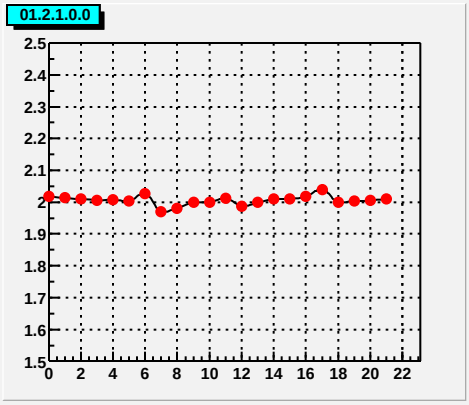


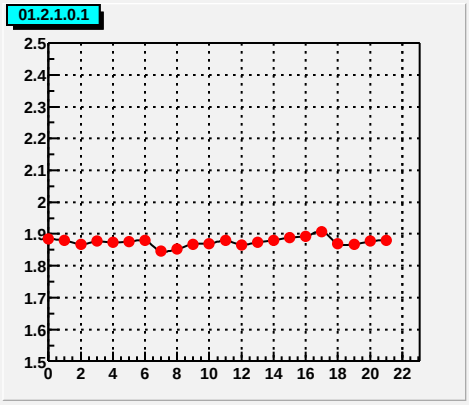


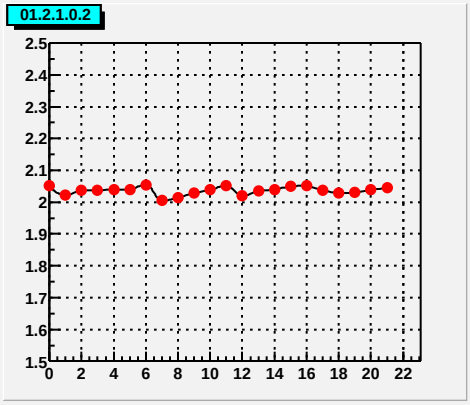


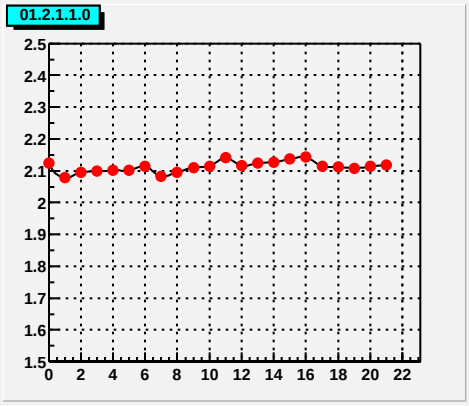


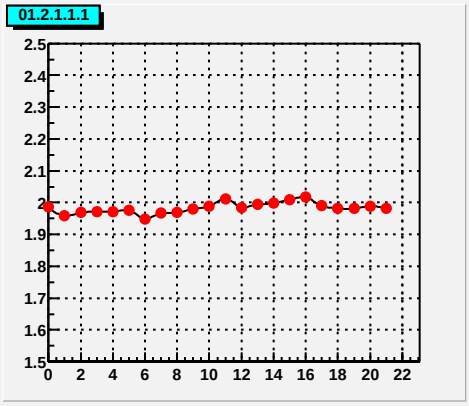


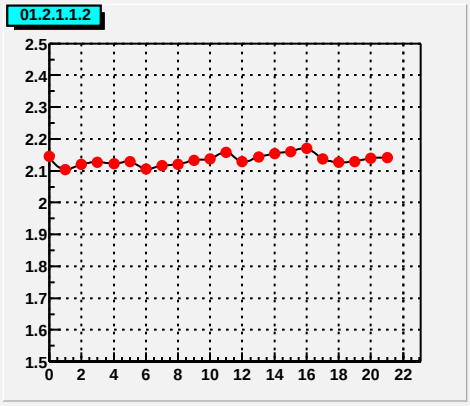




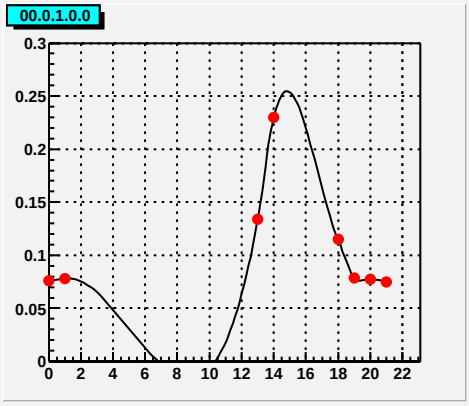


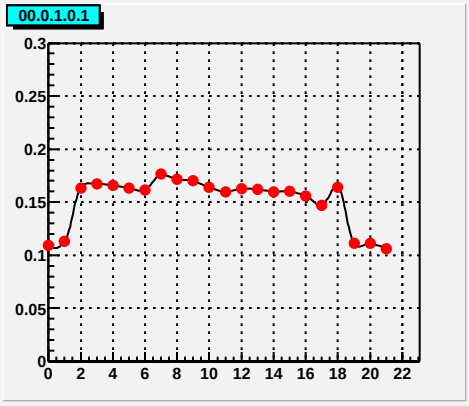


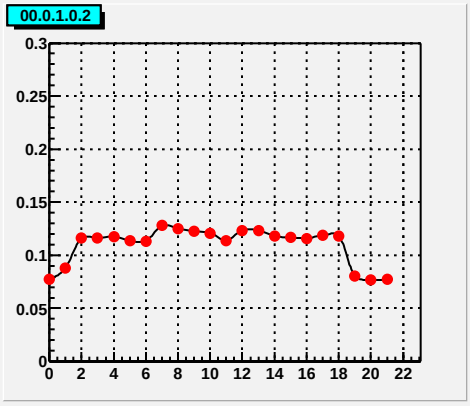


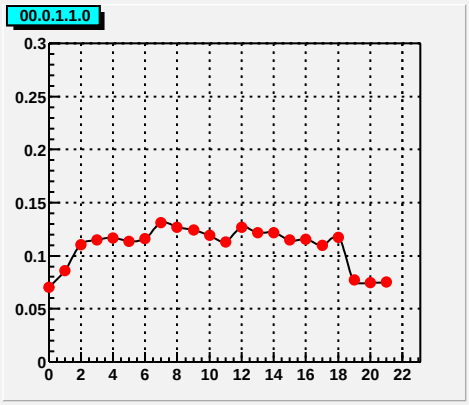


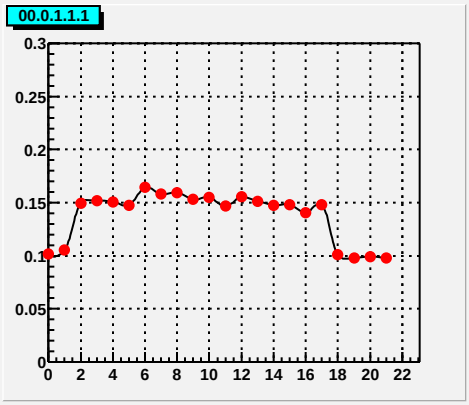
Nonlinearity vs VA Channel

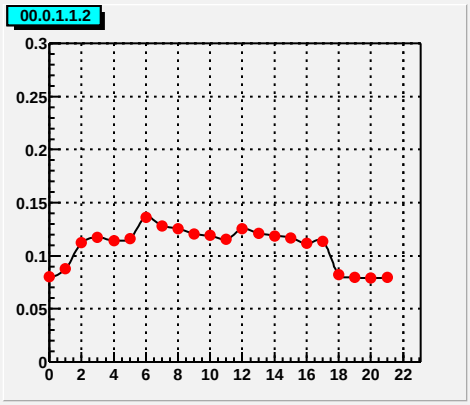


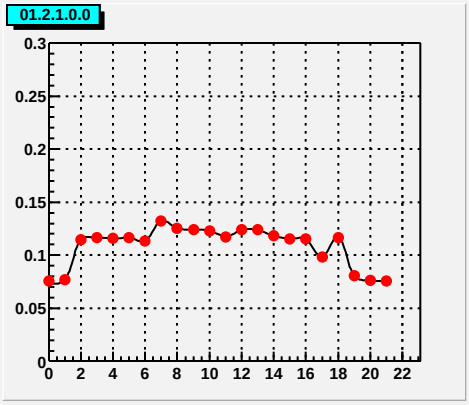


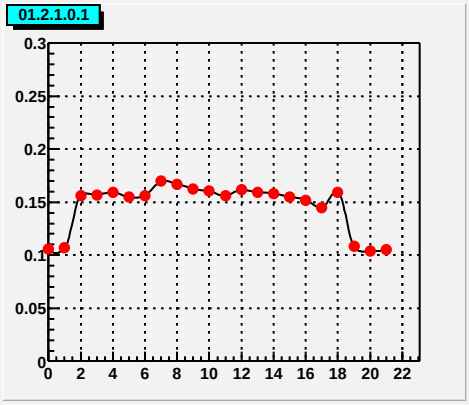


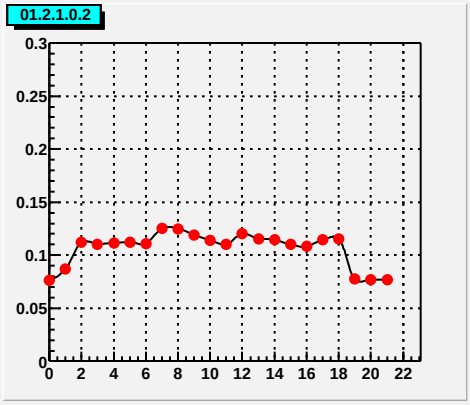


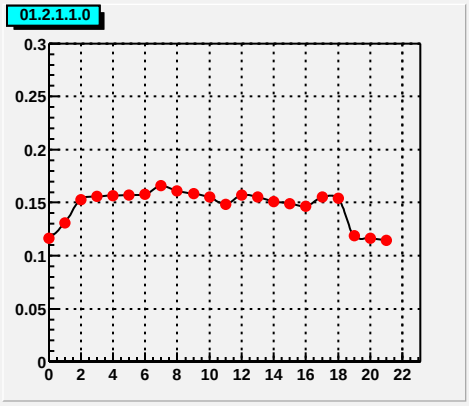


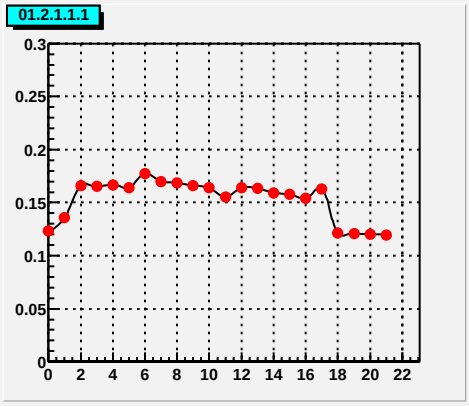


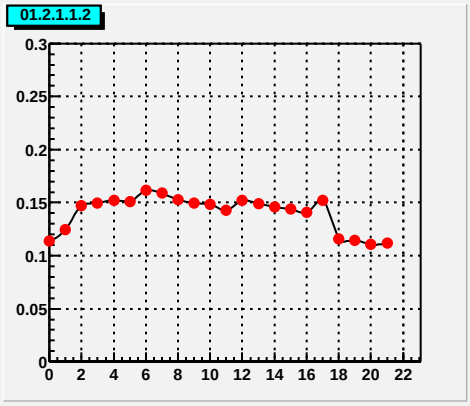










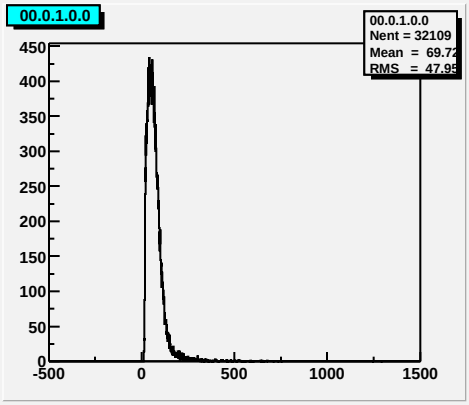


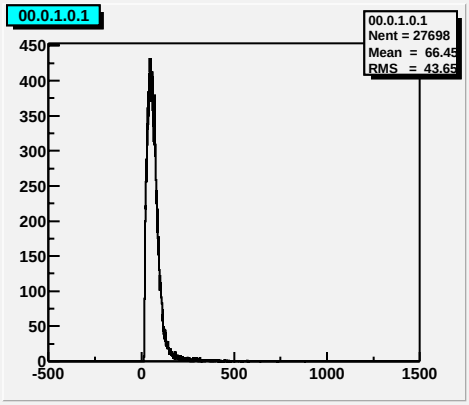
Crate.Varc.Vmm.Vaadc.Vachip

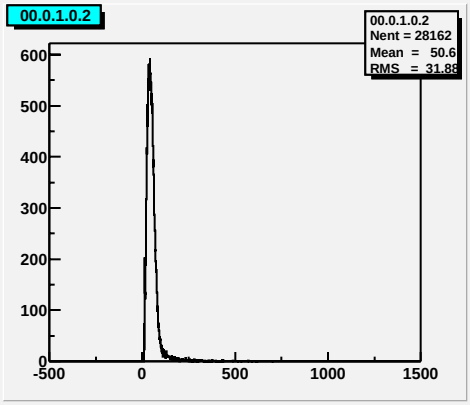
Null Trigger [00001410]

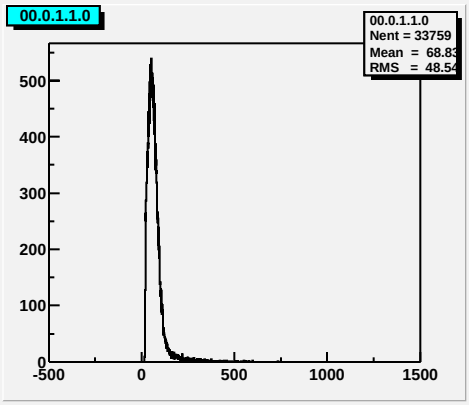
Planes 005 - 008

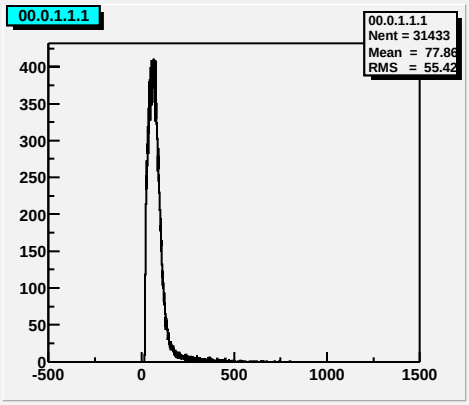
Pulse Height Distribution per VA Chip

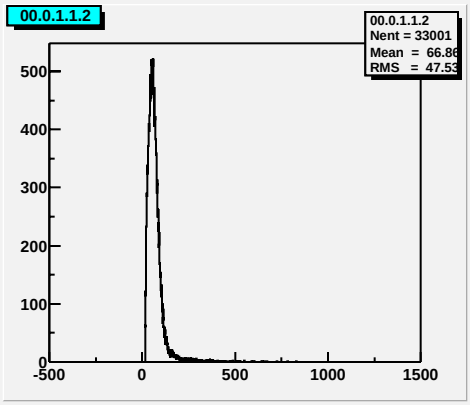


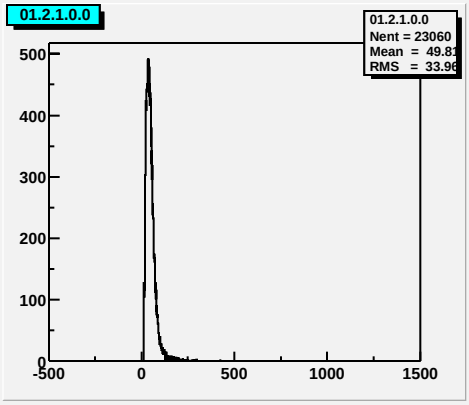


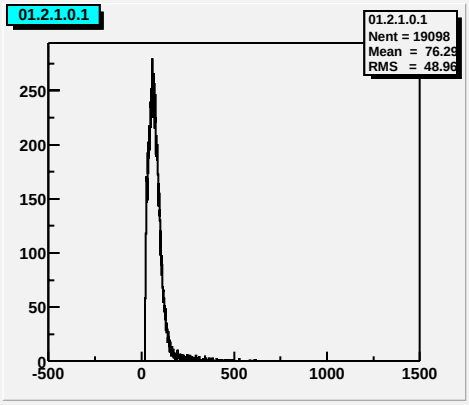


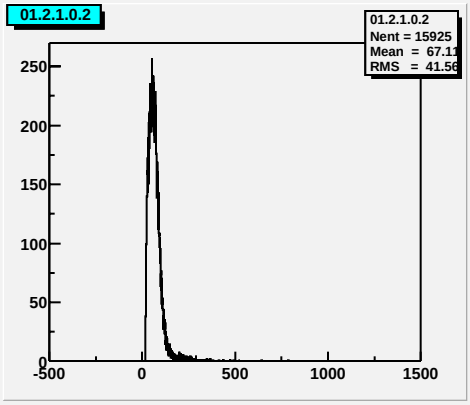


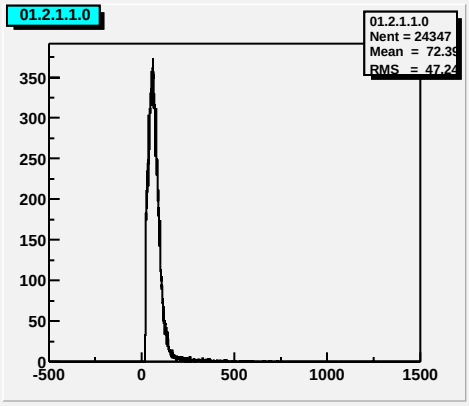


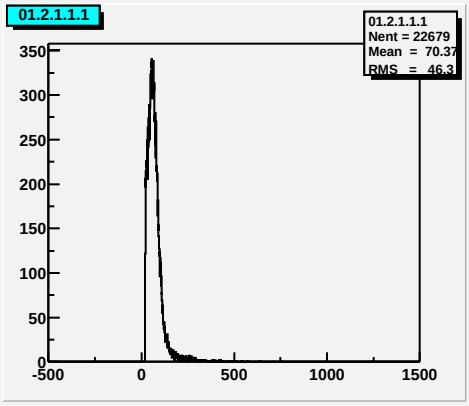


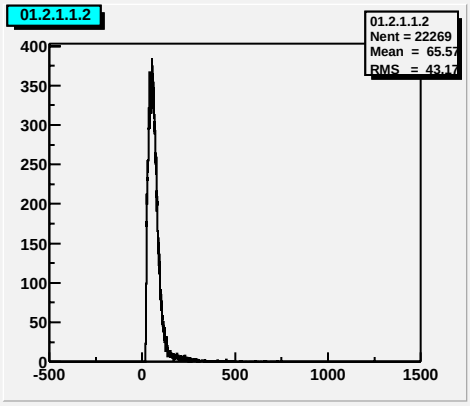




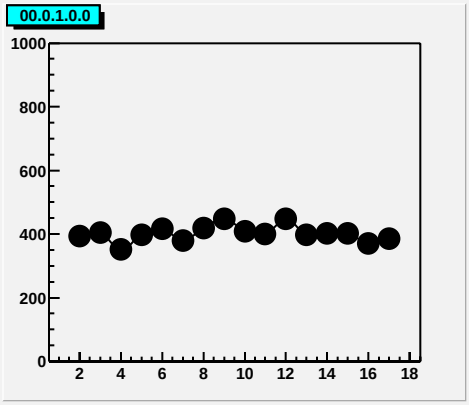


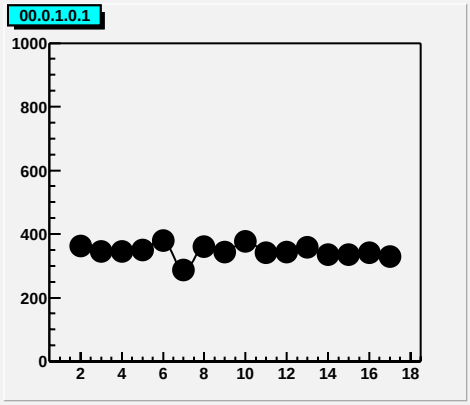


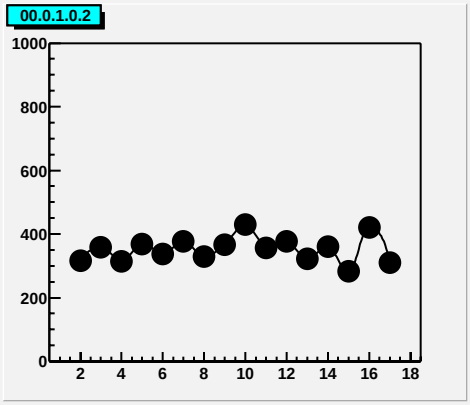


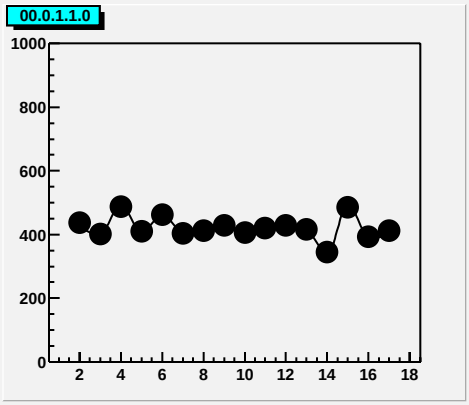


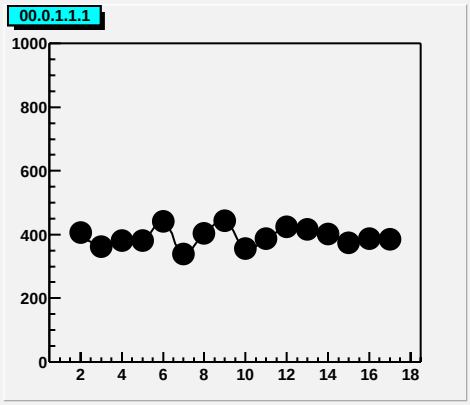
Singles Rate per VA Channel

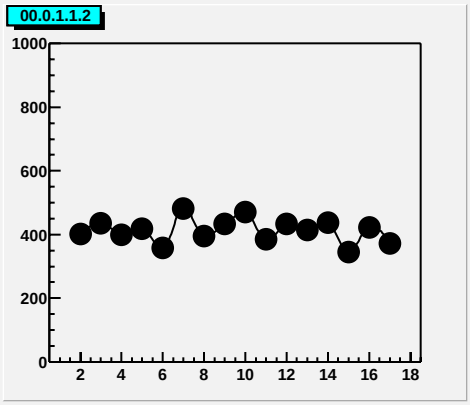


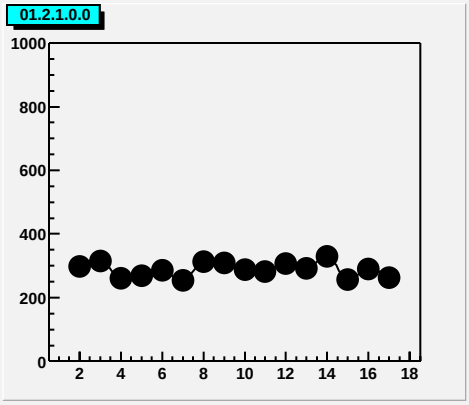


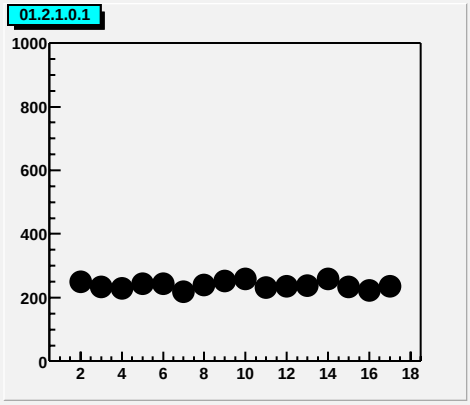


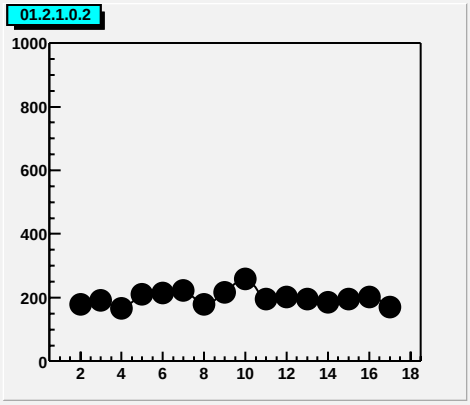


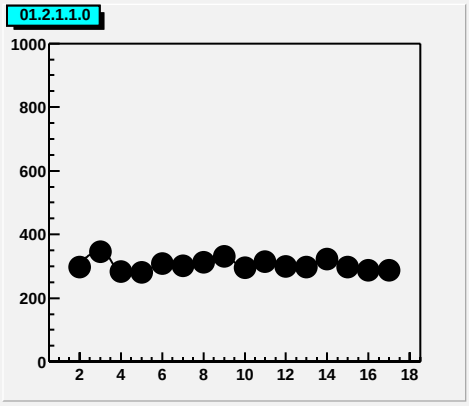


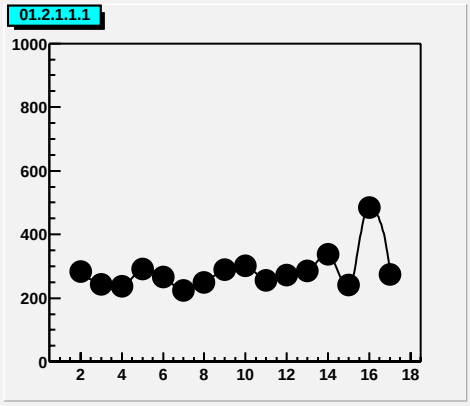


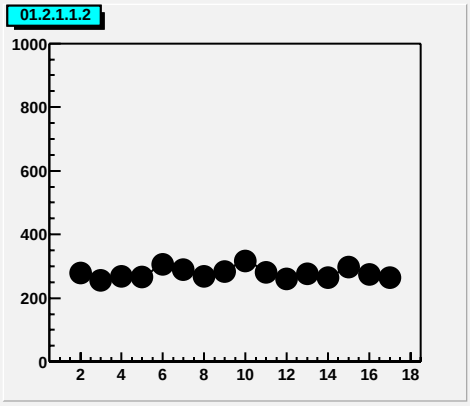




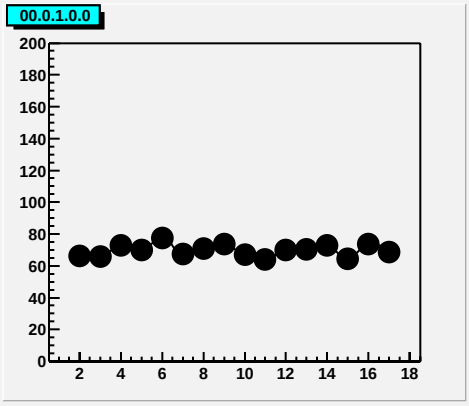


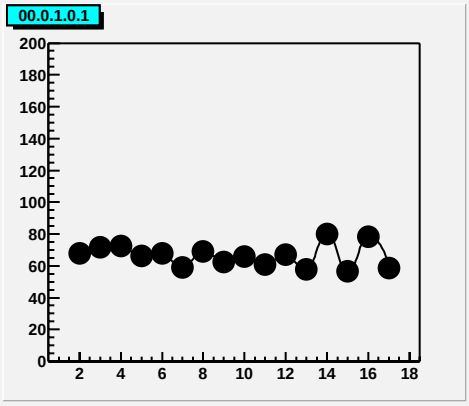


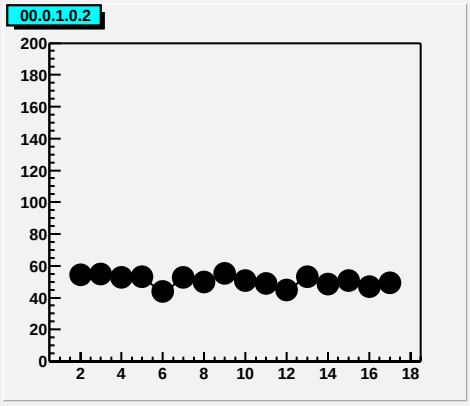


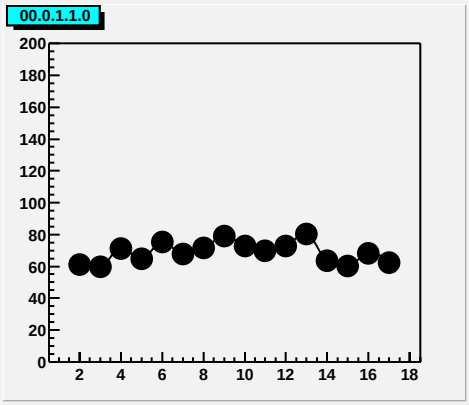


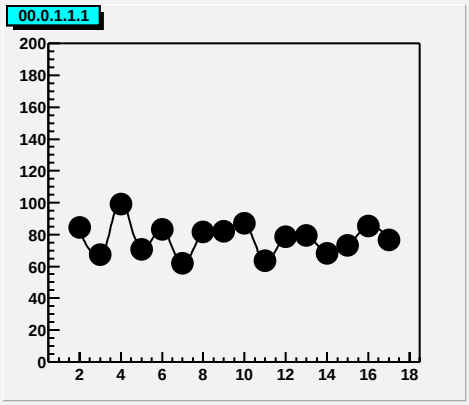
Mean Pulse Height per VA Channel

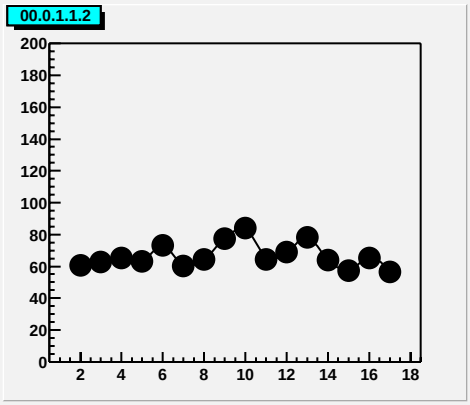


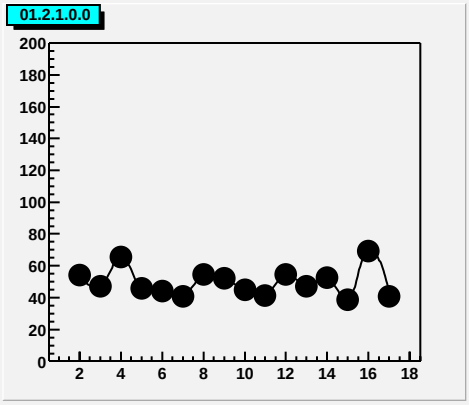


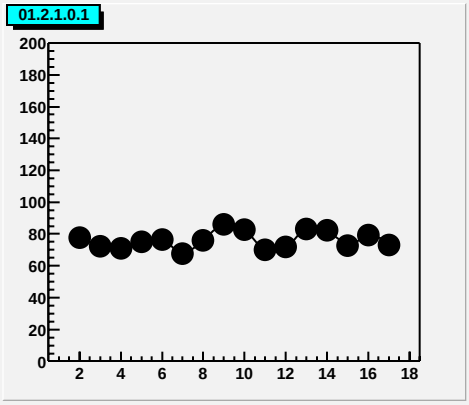


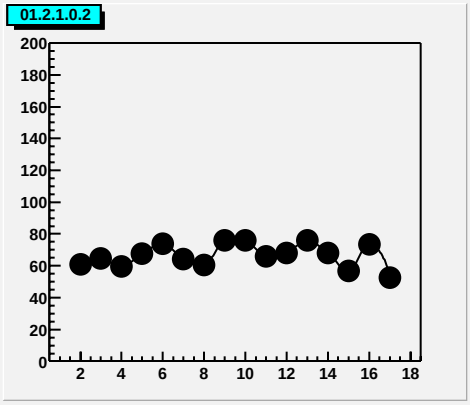


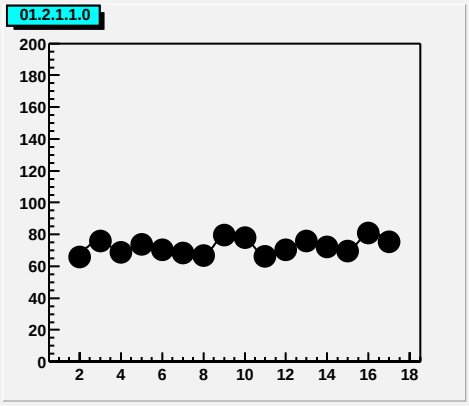


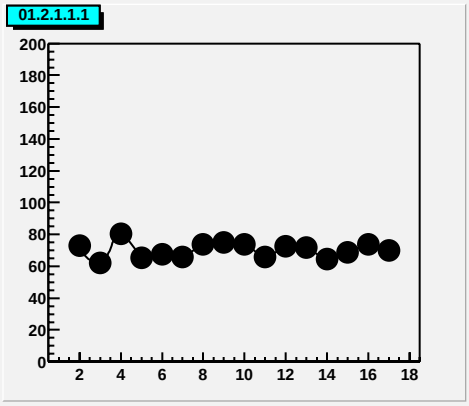


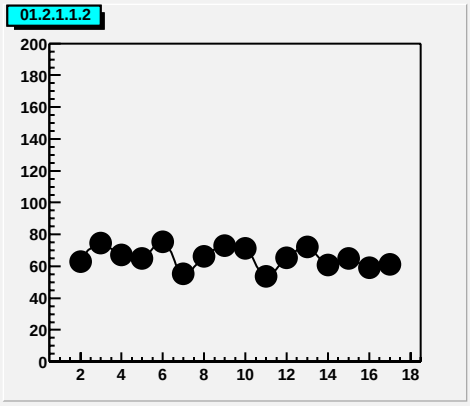








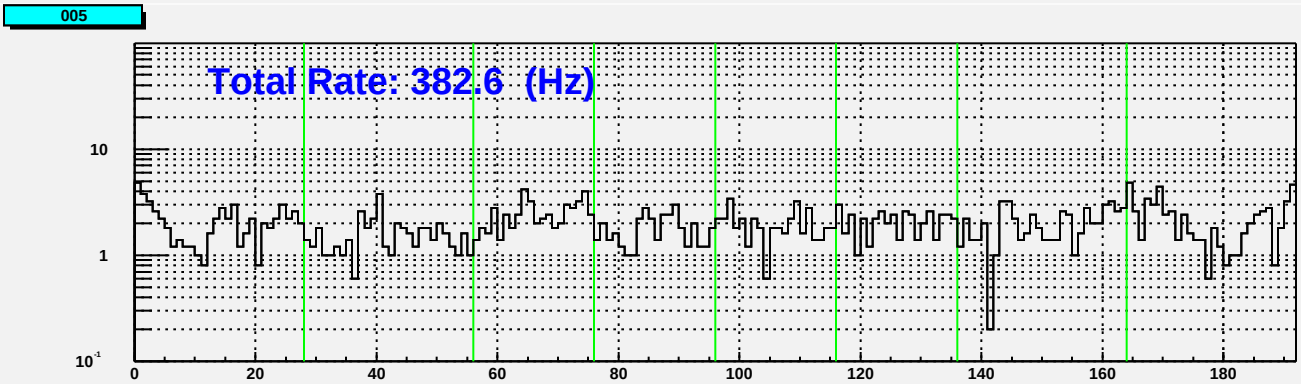


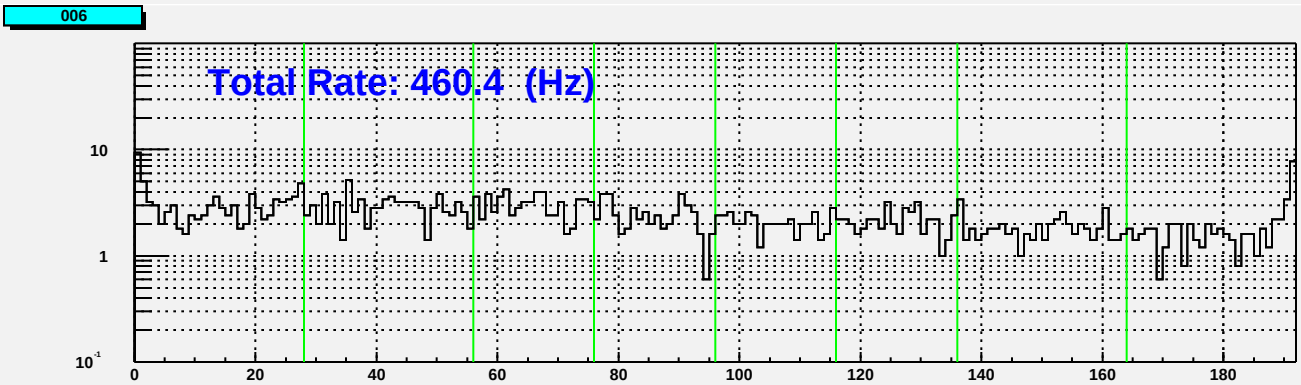


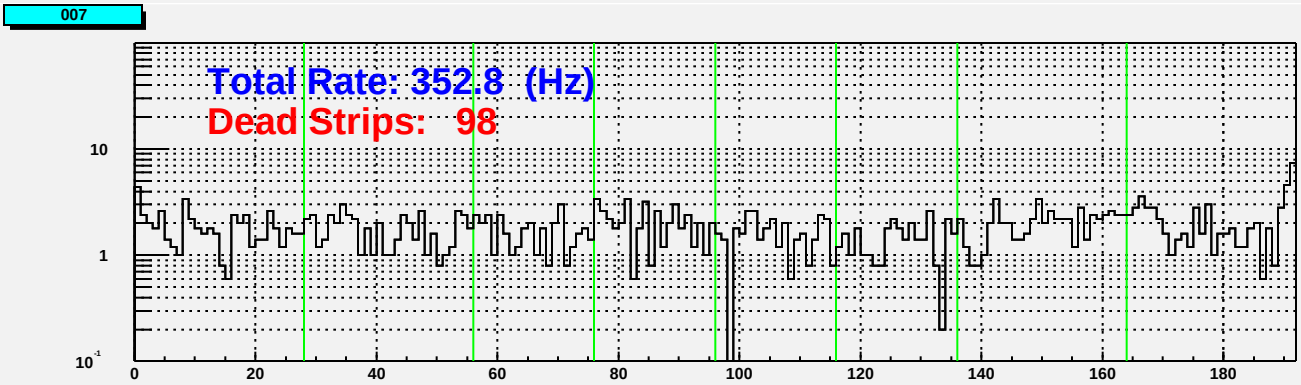
Null Trigger [00001410]

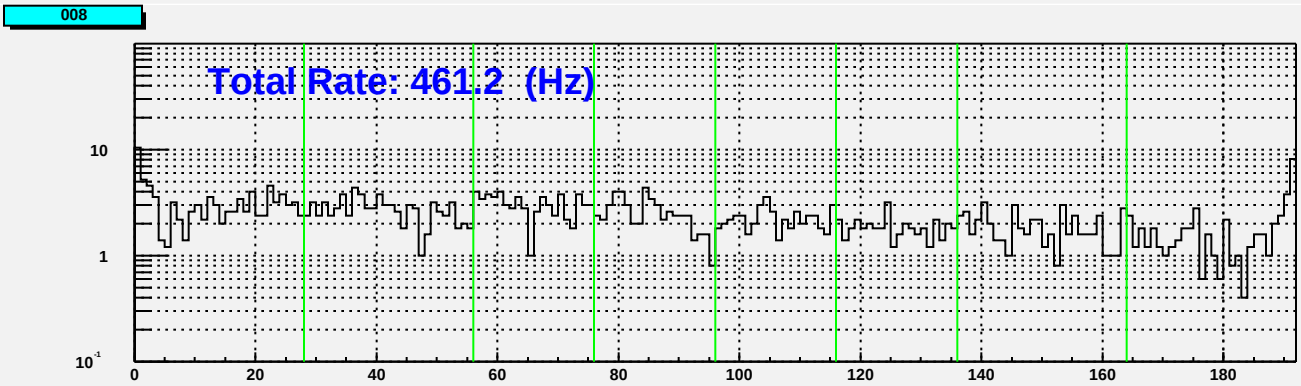
Planes 005 - 008

Coincident Rate vs Strip

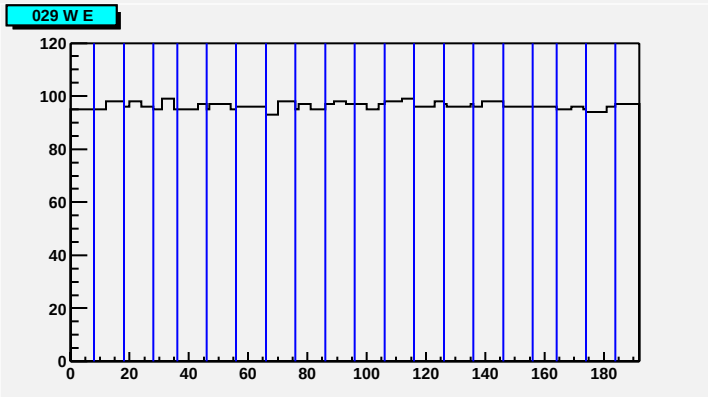


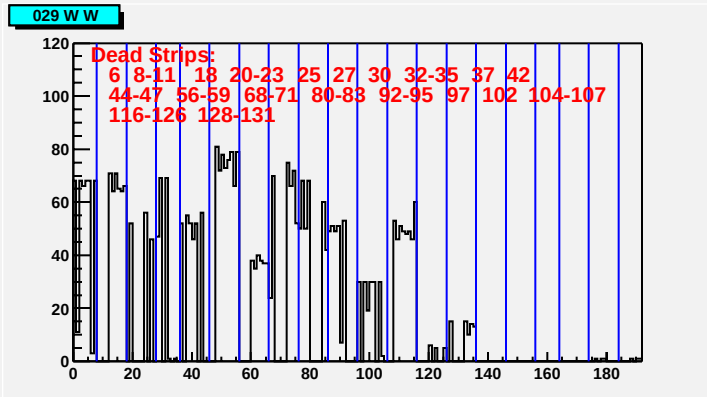


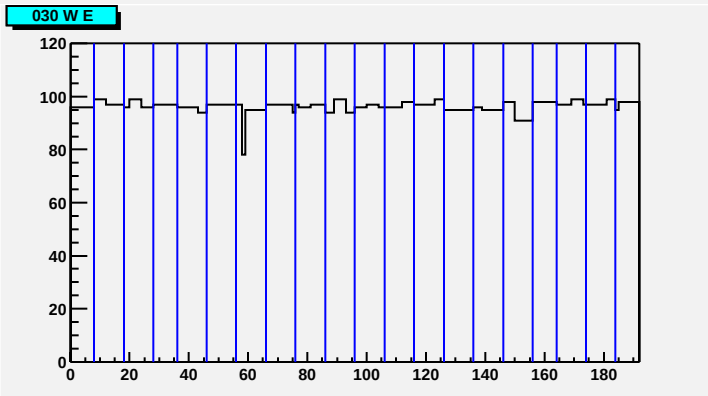


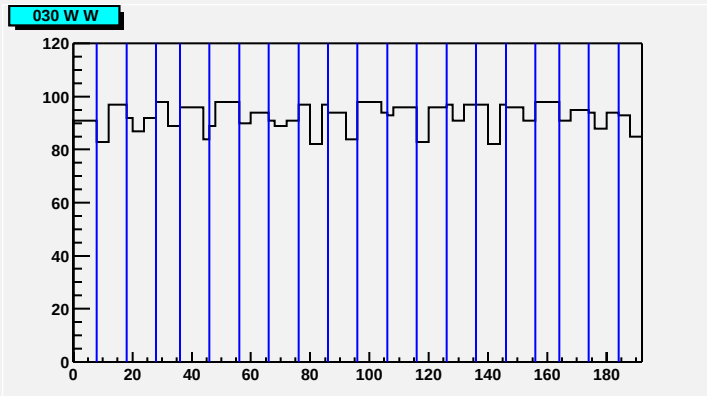


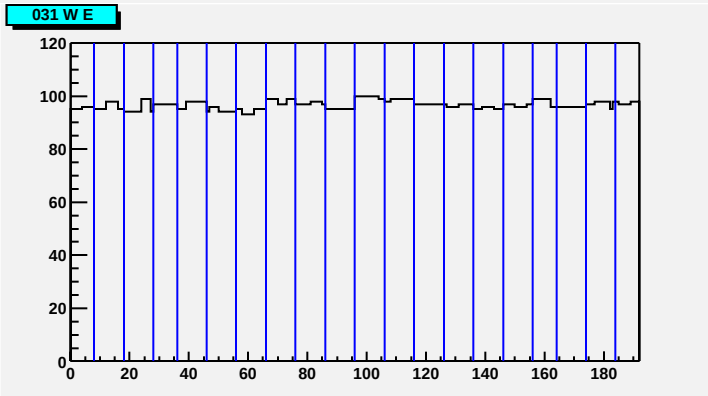
Illuminated Strip Distribution, pulse WEST

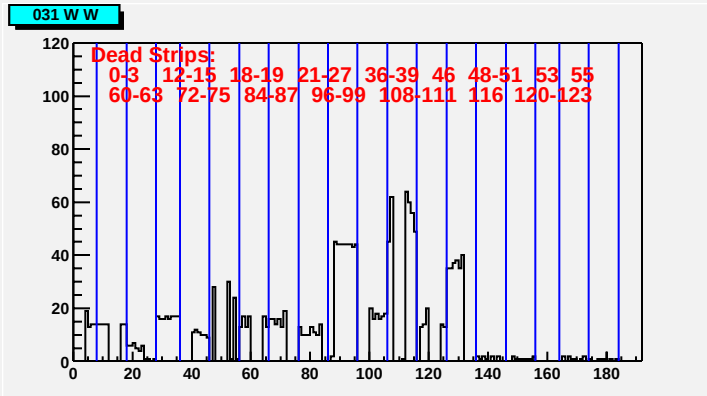


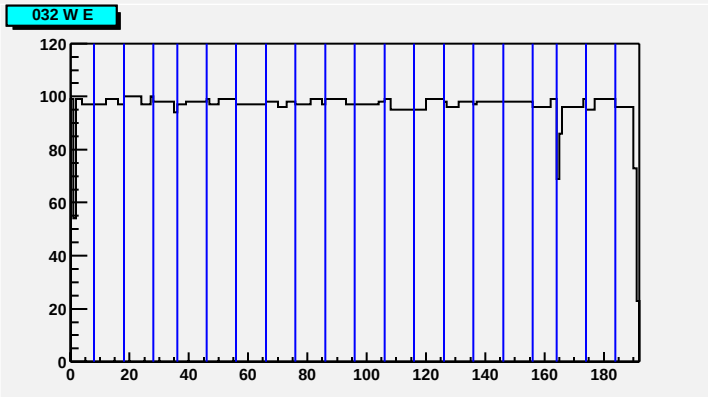


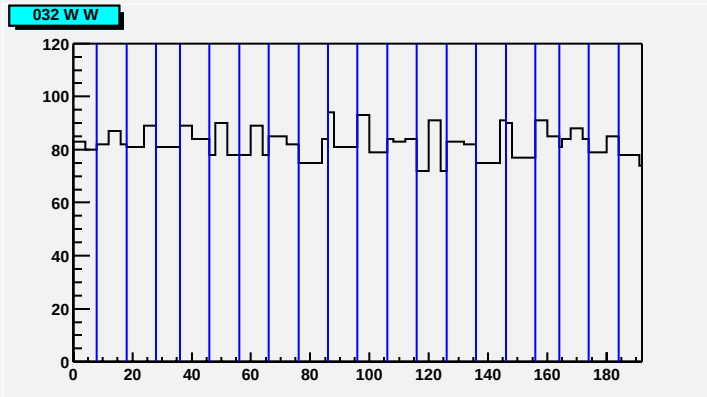




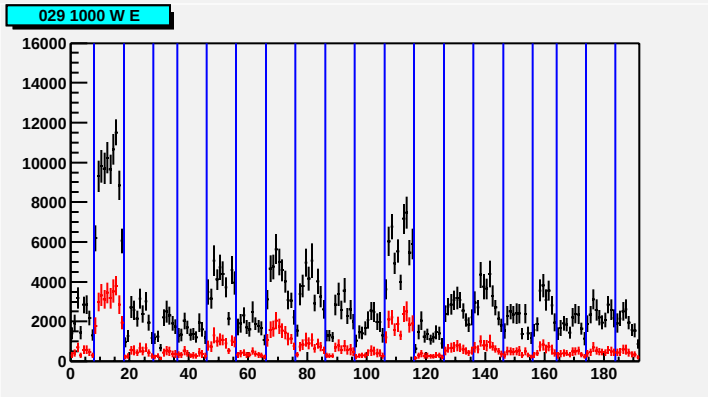


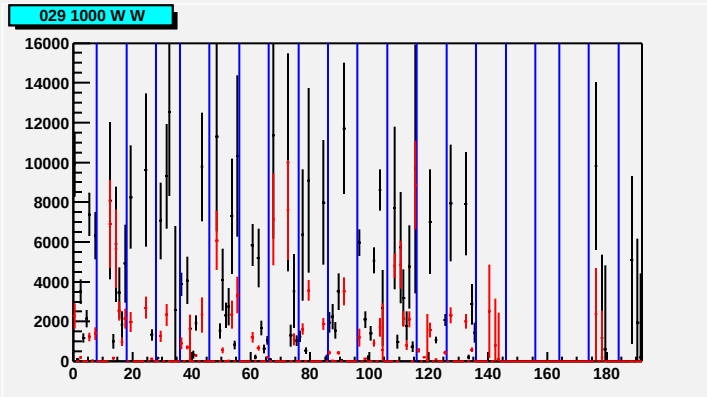


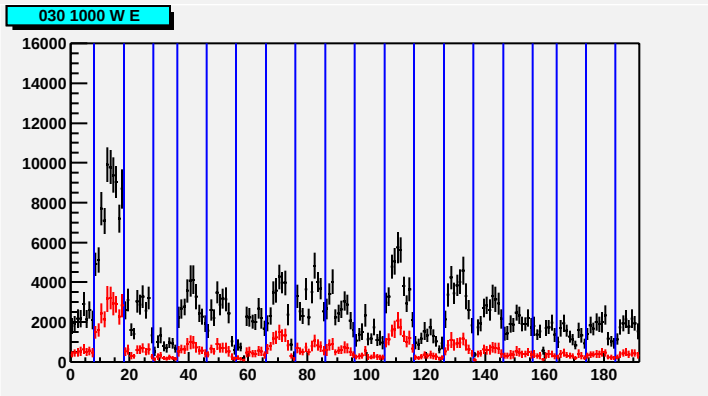


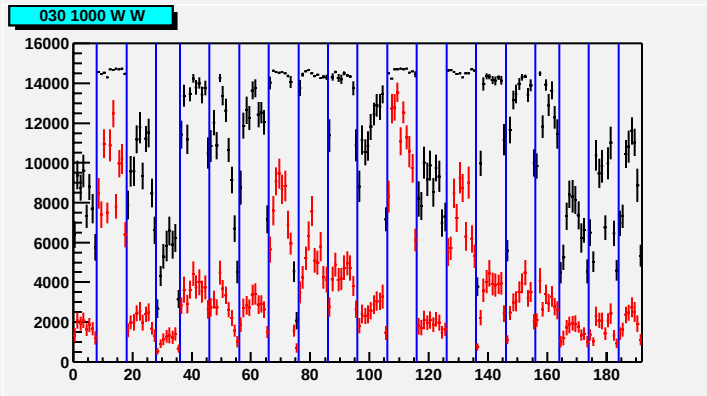


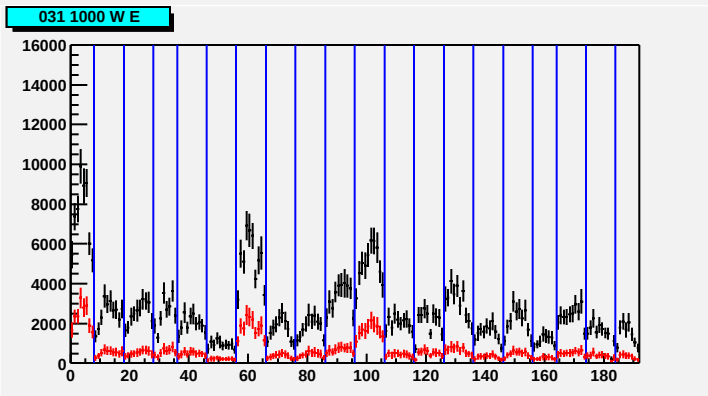
Mean Pulse Height vs Strip, pulse WEST

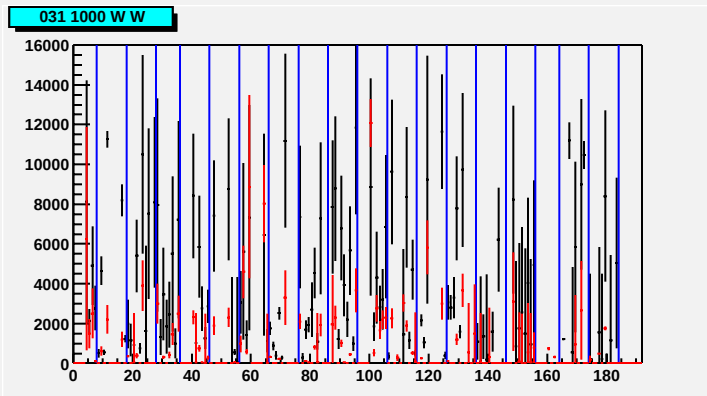


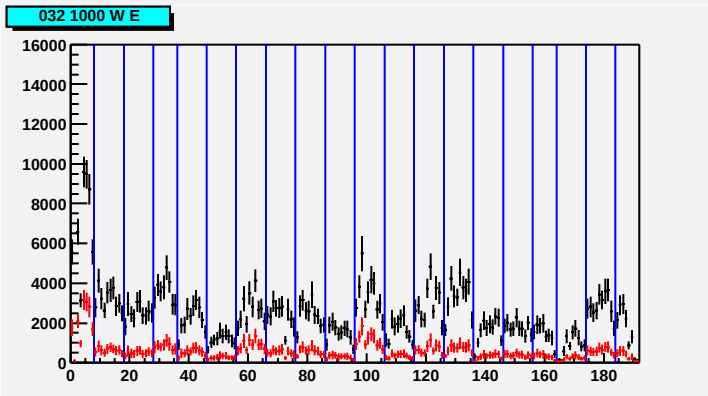


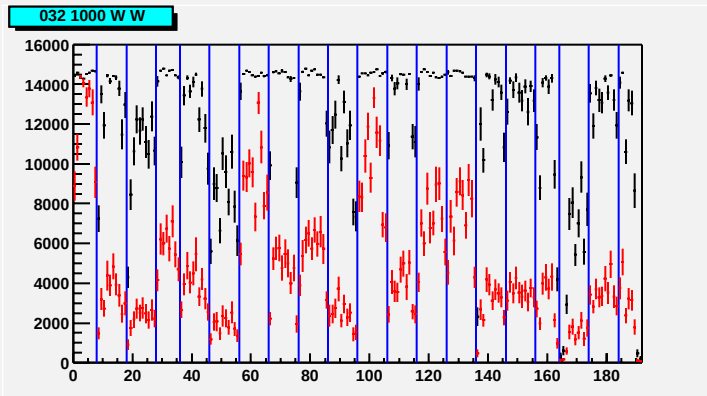




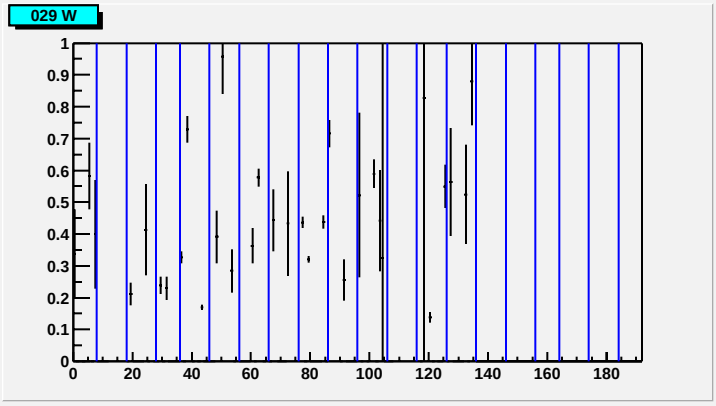


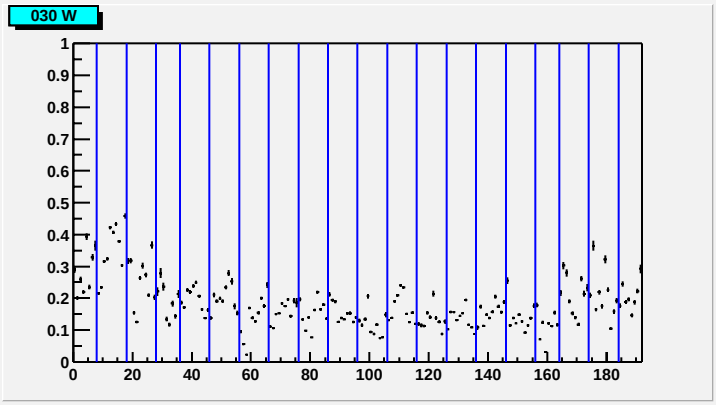


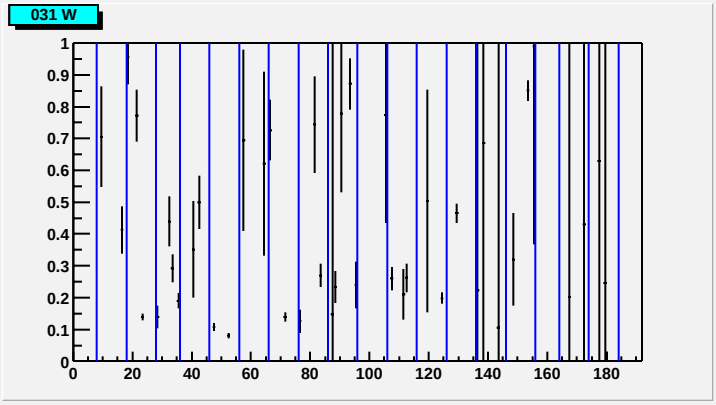


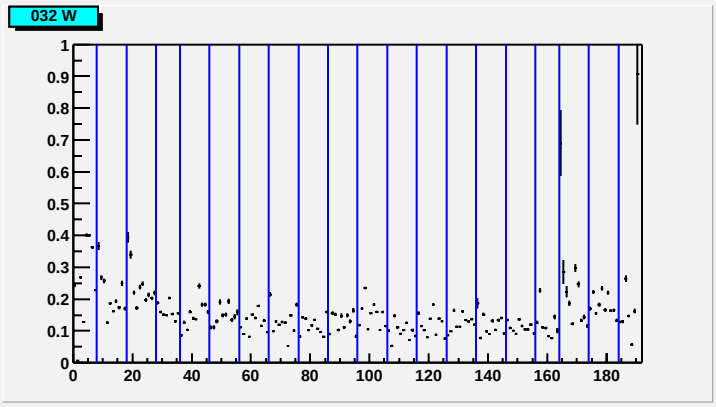


Pulse Height Far/Near Ratio vs Strip

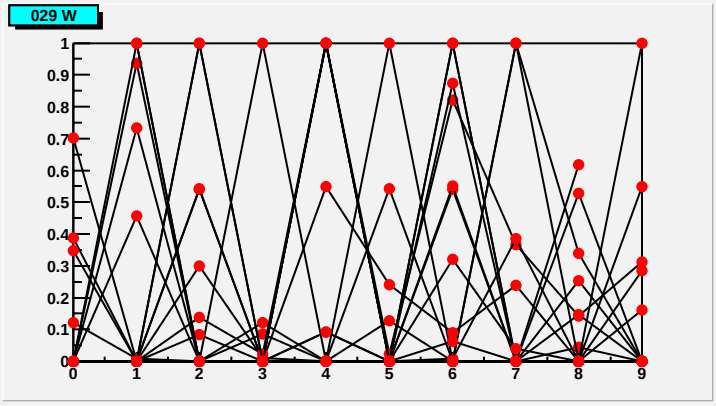


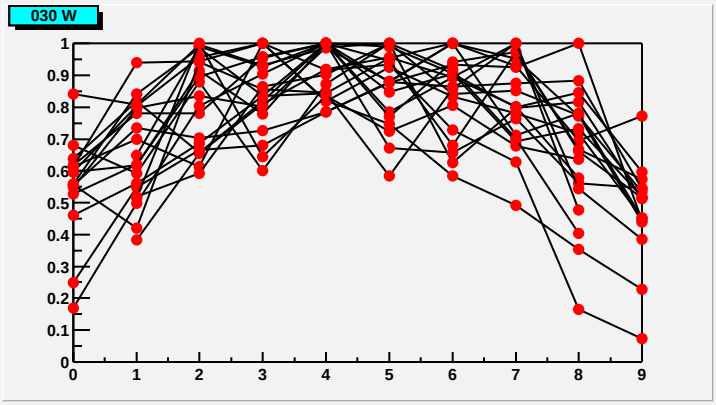


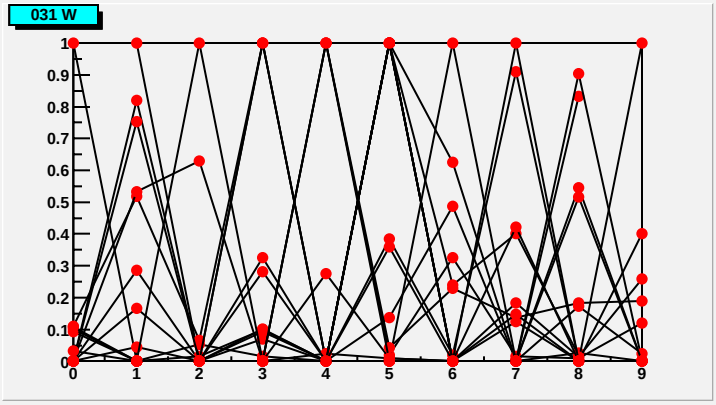


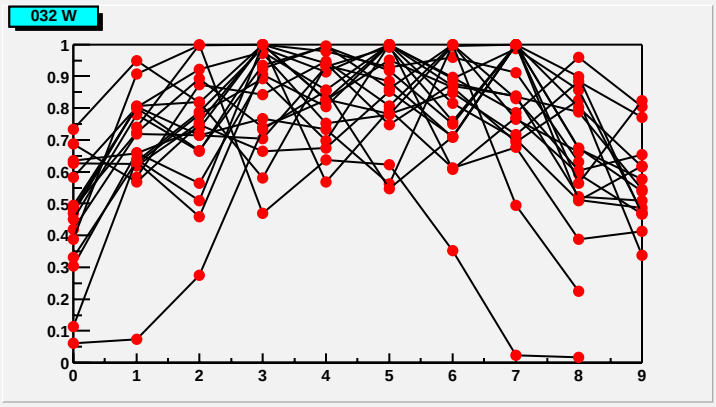


Relative LIM Pulse Height

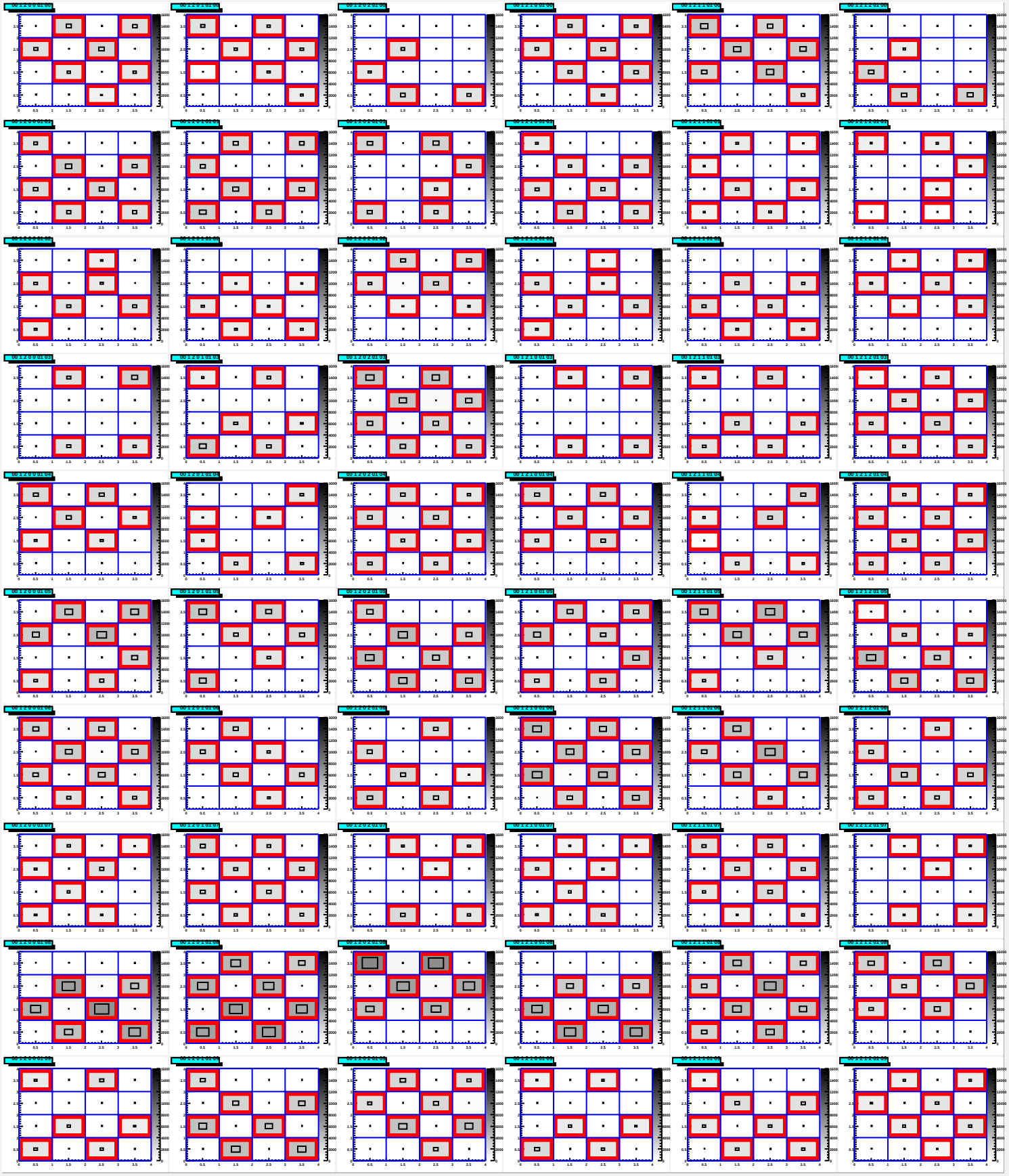




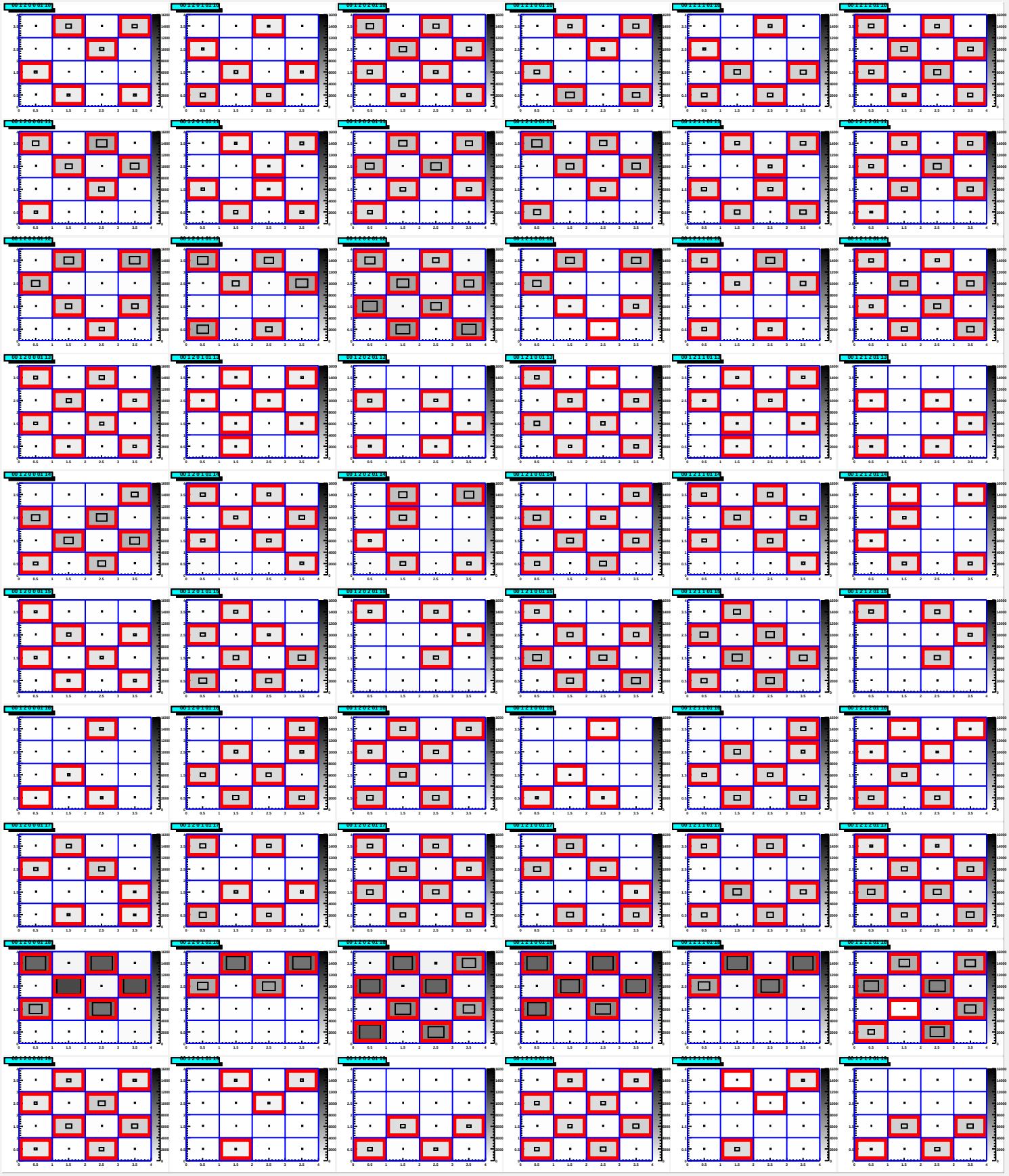




LI Pattern, pulse WEST read EAST, LEDs 1-10



LI Pattern, pulse WEST read EAST, LEDs 11-20



LI Pattern, pulse WEST read WEST, LEDs 1-10

LI Pattern, pulse WEST read WEST, LEDs 11-20