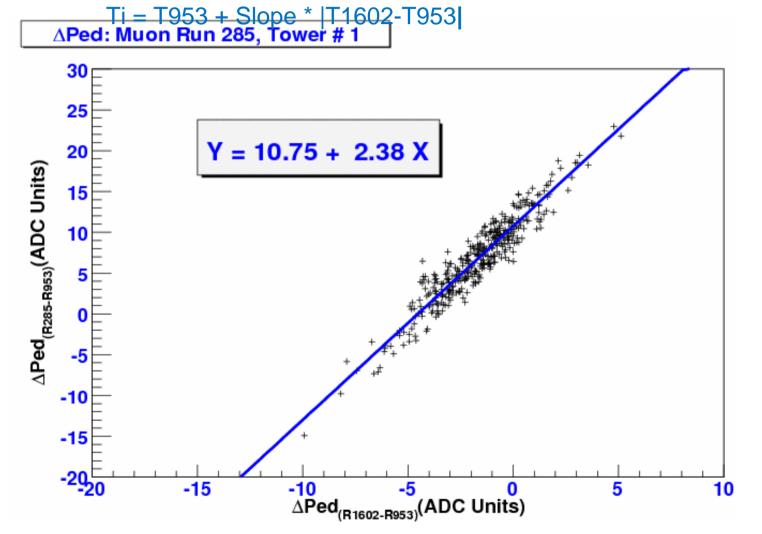
## Temperature Estimation Using Pedestals

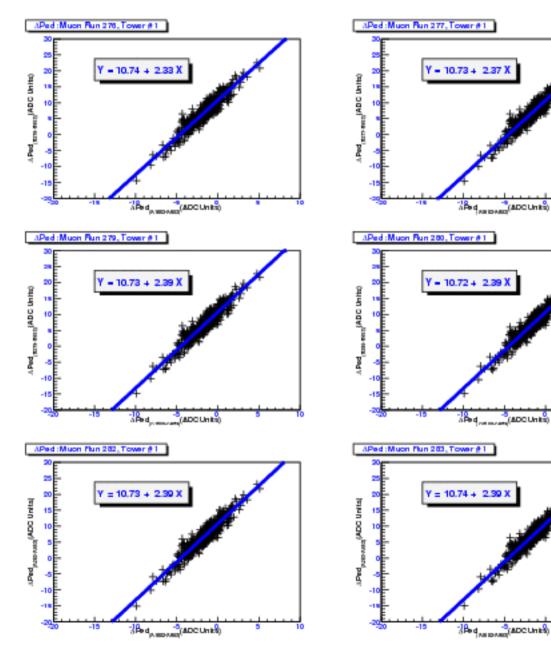
Aous Abdo, NRL

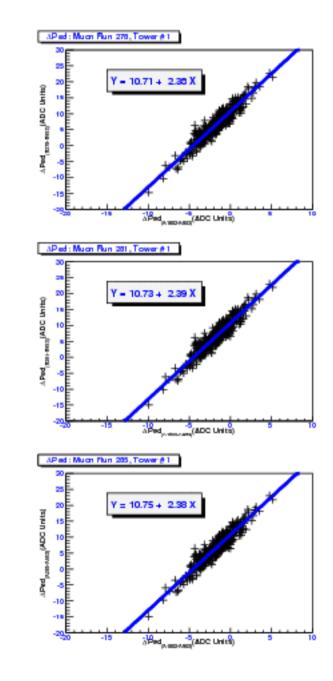
Compare the difference in pedestal distributions for a Muon run to two runs with known Temperatures (953 and 1602).

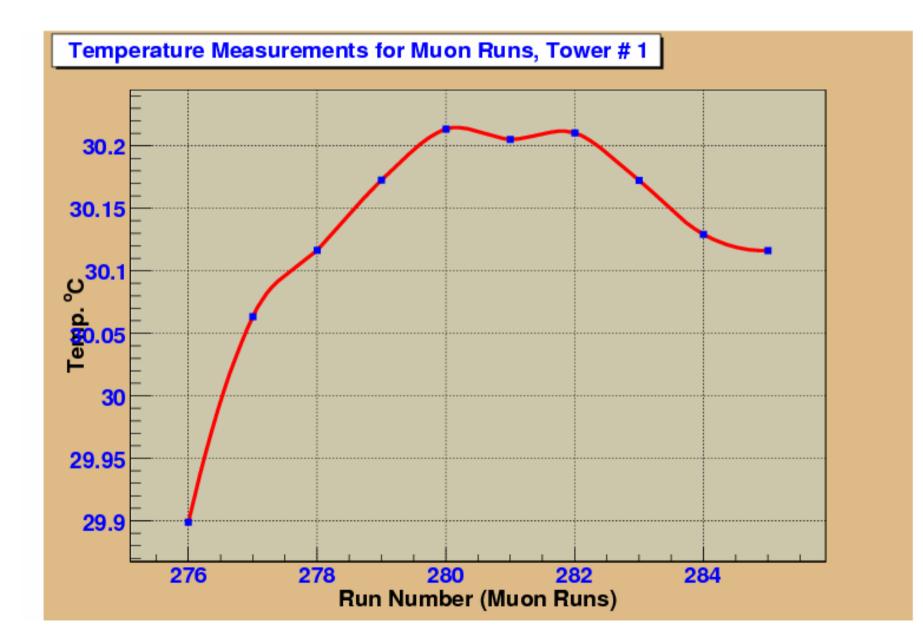
From the slope of the distribution we estimate the temperature according to:



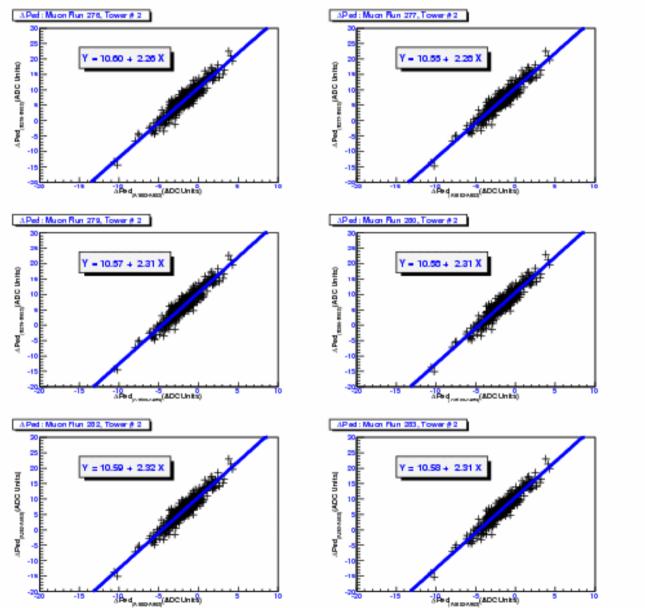
## Do this for the 10 Muon runs we have (276-285) Distributions for Tower 1

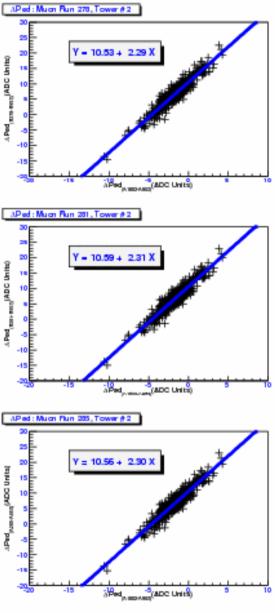


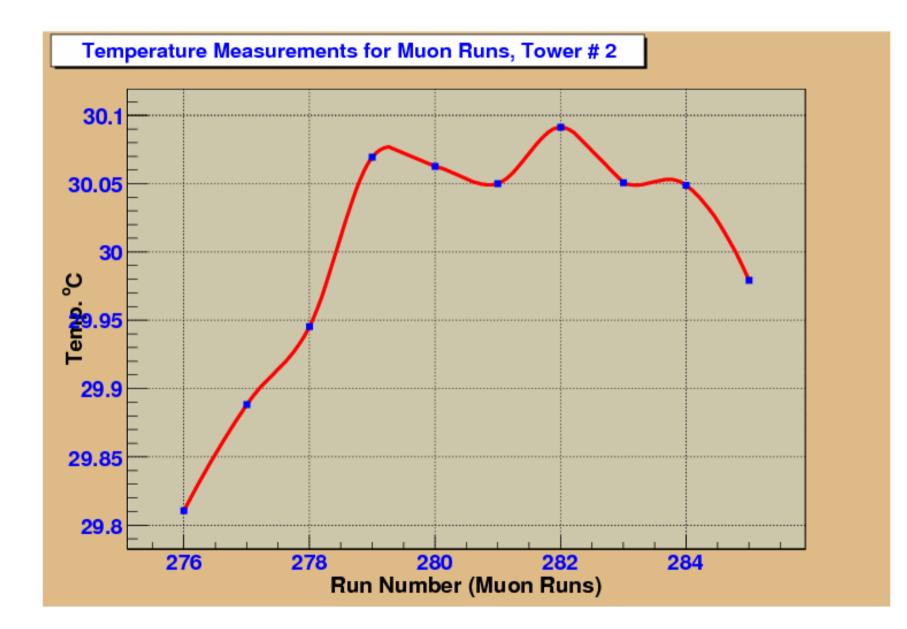




## **Distributions for Tower 2**







## Check the procedure on runs with know temperatures

Run Number	Temperature Est. Tower 1	Temperature Tower 1
1165	23.05	23.1
1191	21.7	21.8
1198	23.9	23.9
1569	23.9	24.1
Run Number	Temperature Est. Tower 2	Temperature Tower 2
1281	20.5	20.4
1348	21.98	21.8