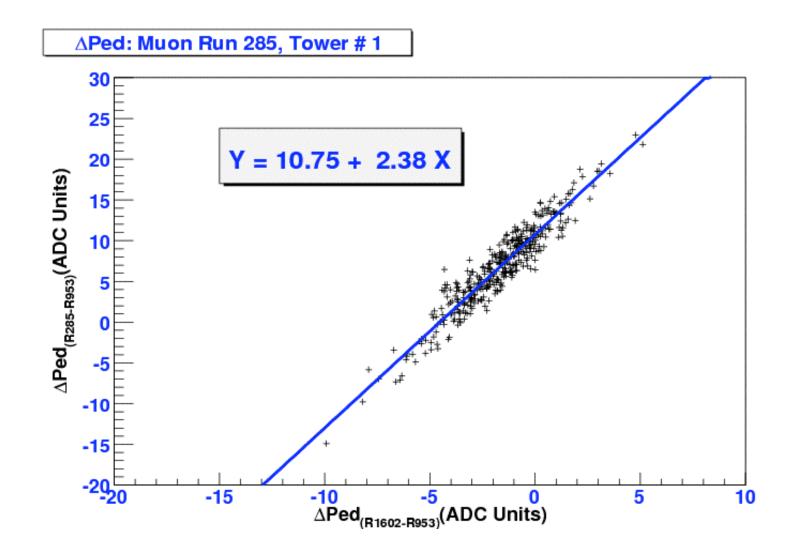


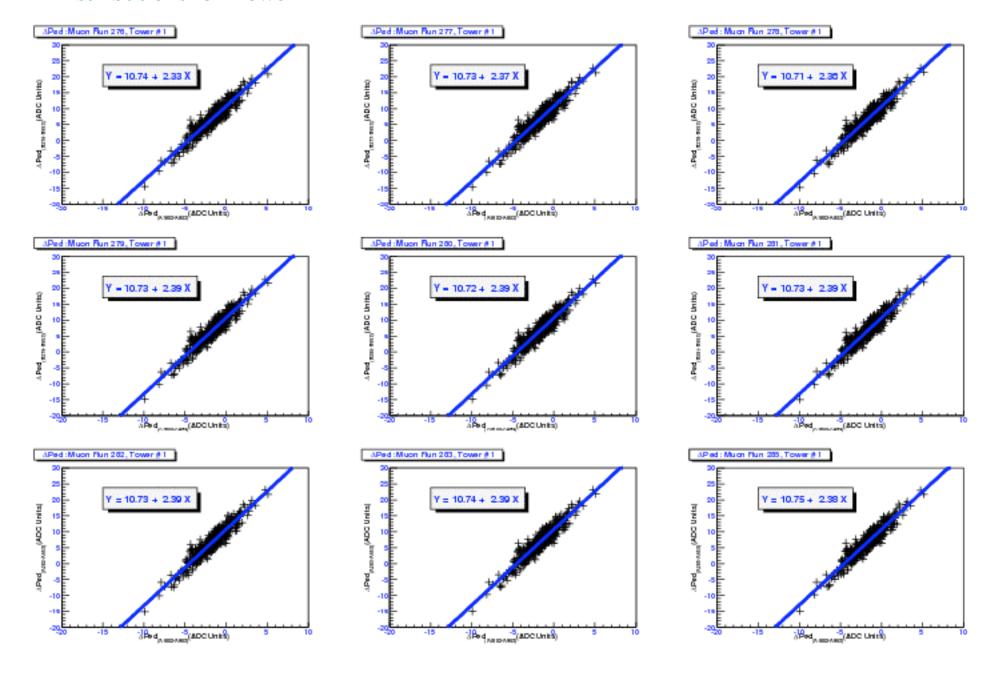
Temperature Estimation Using Pedestals

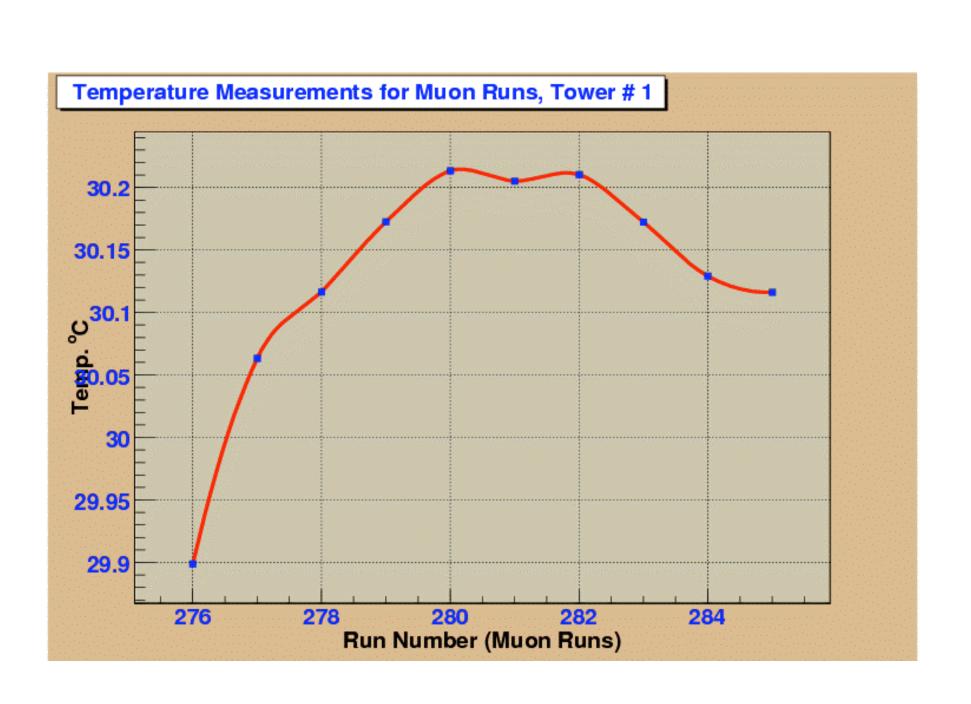
Aous Abdo NRL

- ❖ 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: Ti = T953 + Slope * |T1602-T953|

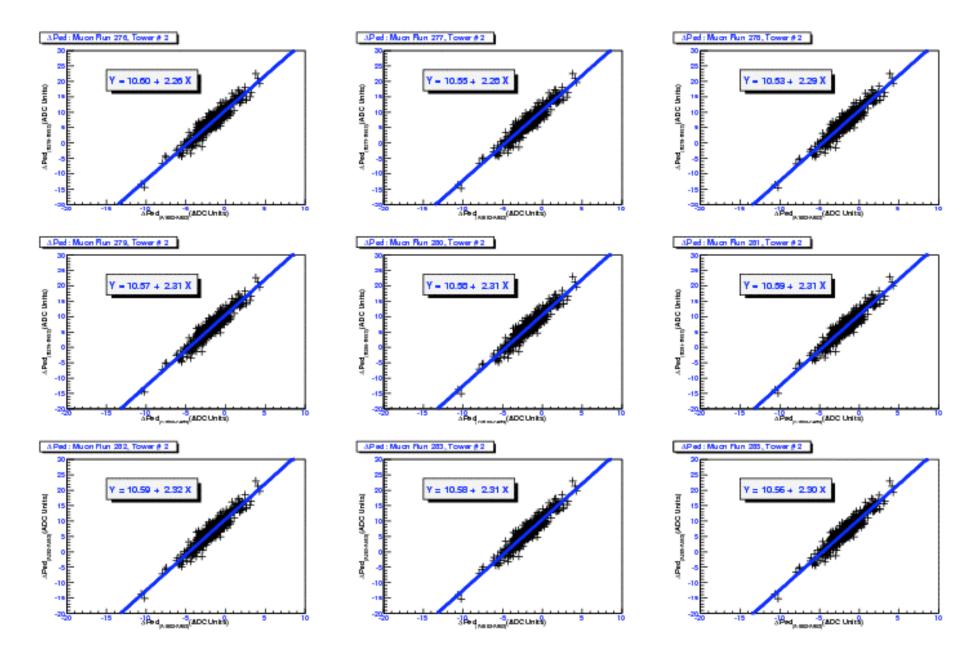


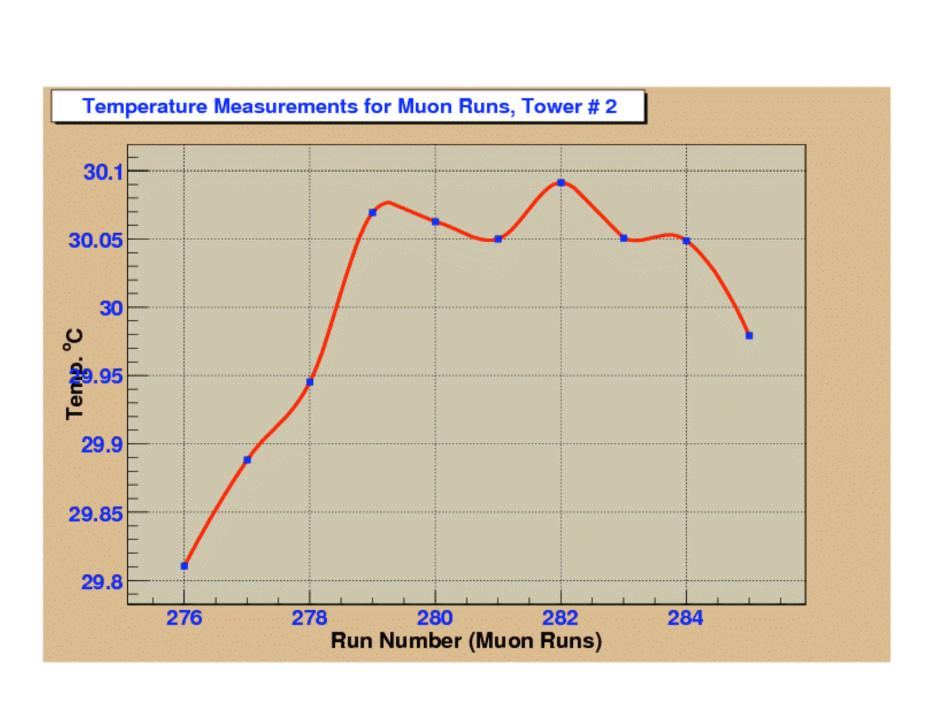
Do this for the 10 Muon runs we have (276-285) Distributions for Tower 1





Distributions for Tower 2





Check the procedure on runs with known 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