R0 Calibration Update

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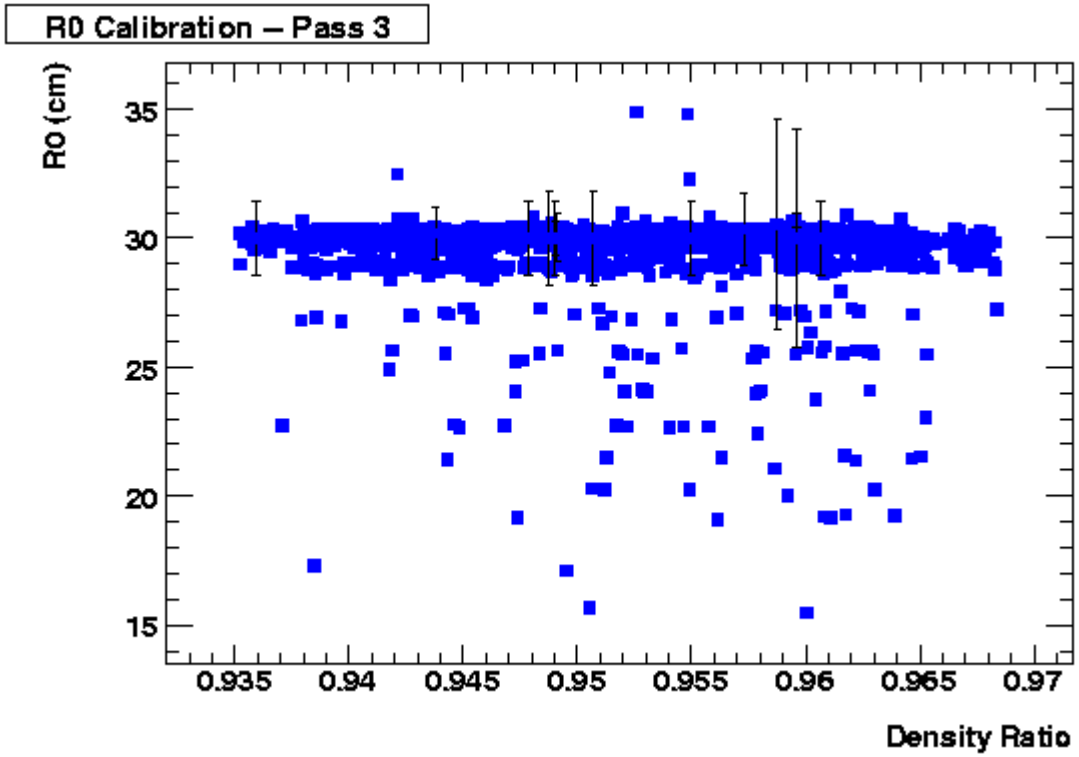
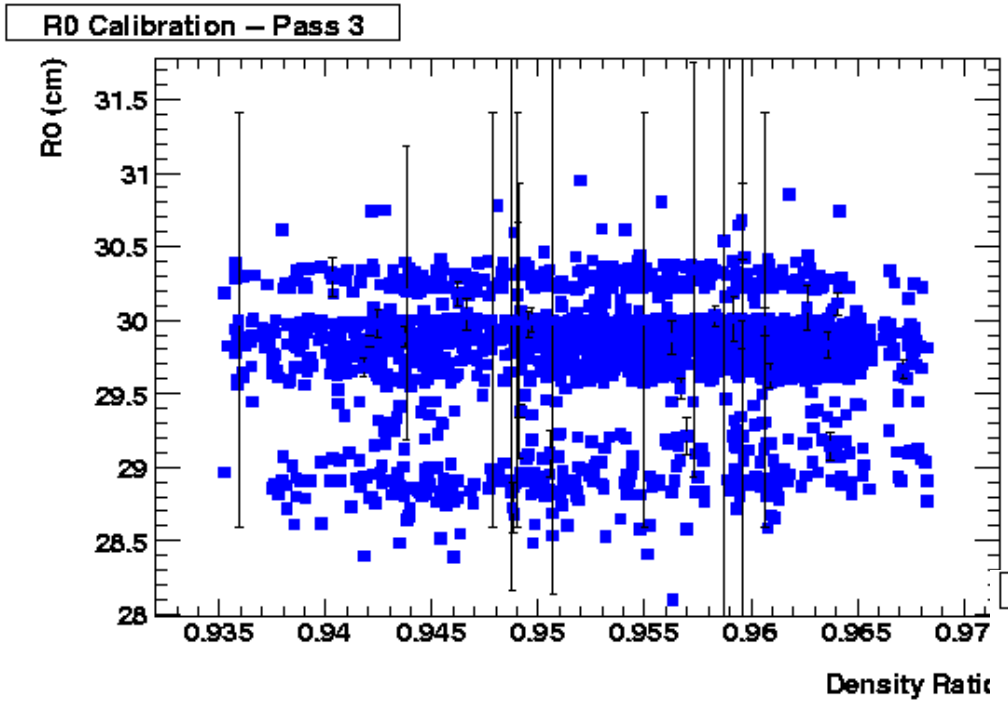
Calibration With Pass3 Output

- R0 calibrated for each subrun using track momentum and result from RICH Seed Fit.
- Used run number 14000 and above.
- Results are now consistent.

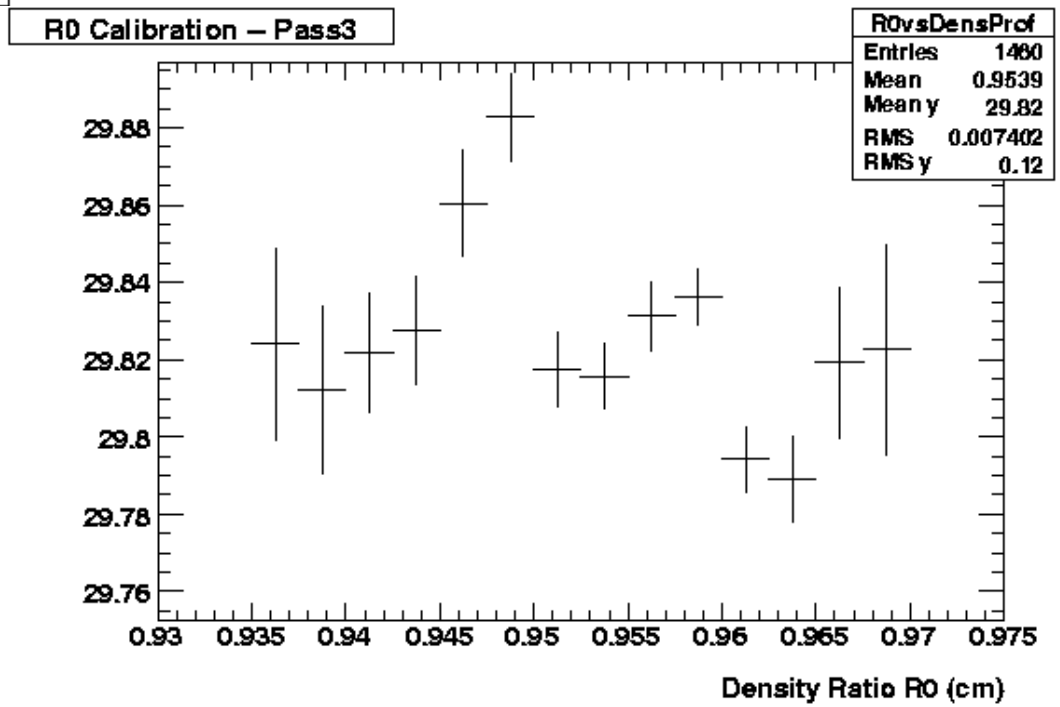


- Several results are still unusually low.

Closer Look At Variation With Density

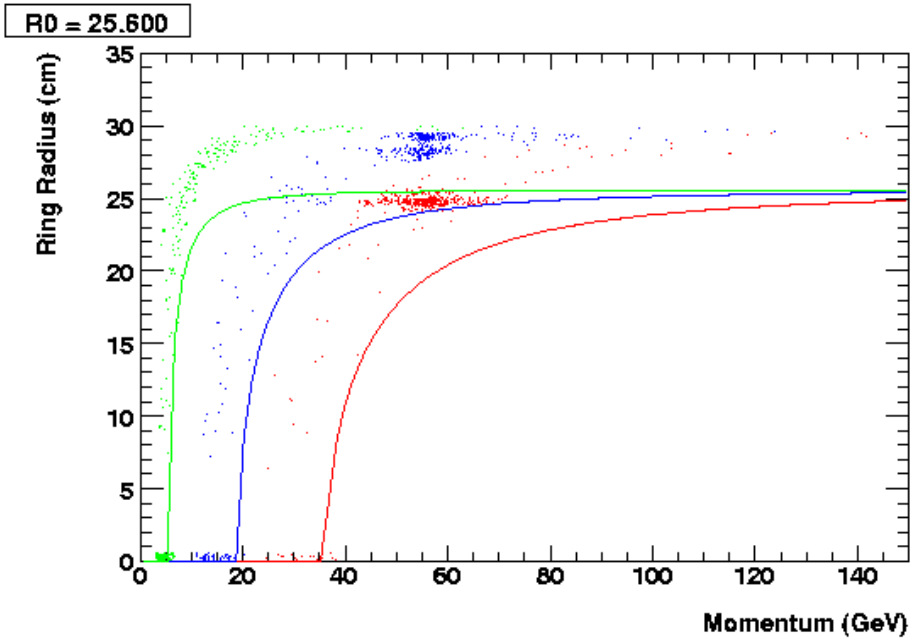


Left: R0 vs. ratio of CO2 density to STP density.
Still see three bands. Bottom seems to be increasing with density.



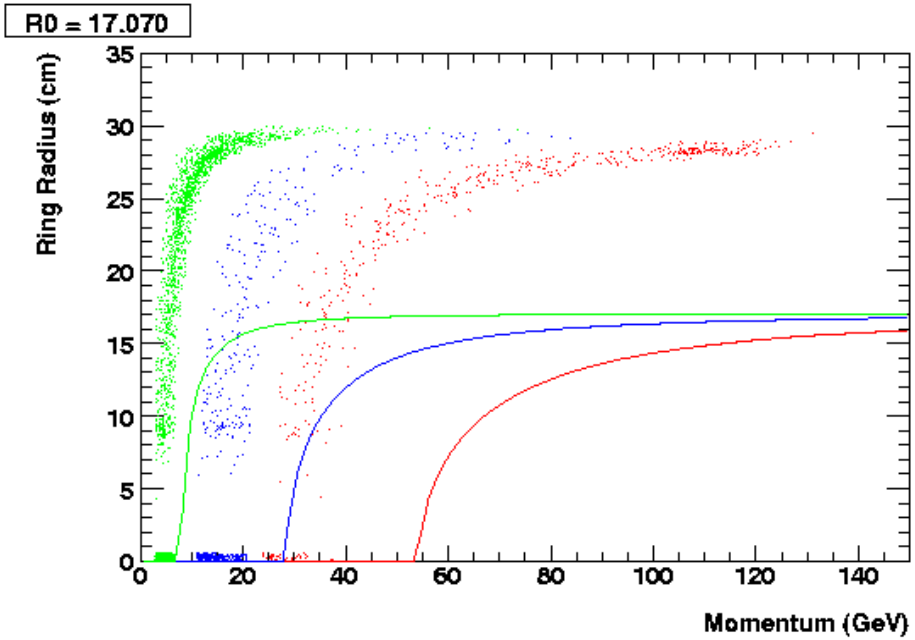
Right: Profile of middle band. Excluded results with large error bars.

Closer Look At Anomalous Results



Left: Run 14104 subrun 0

Double banded structure in kaon curve.
Some points used as protons at higher momenta don't match up with the rest of the curve.

Right: Run 15078 Subrun 0

Result from this fit does not match the data points.