LTCC Overview

Hardware: DSG, D. Anderson, M. Cook, Hall-B techs

Gas:

DSG, G. Jacobs

Software, Calibrations:

Burcu Duran, Sylvester Joonsten (TEMPLE U) M. Ungaro

LTCC Overview





- Nitrogen in S2, S3, S6.
- C4F10 in S5 (rg-a)
- Gas Monitor, Alarms: working well.



Gas Monitor

LTCC Gas

10 Kg lost in 25 days 0.4 Kg / day (predicted: 0.3 Kg / day) Predicted remaining days: ~140



LTCC S5 Calibration, run 3432-3517

All sectors: Good Gain Matching, improving daily.

Calibration constants, TET improving as well. Constants are in Database.



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LTCC S5 Calibration



LTCC S5 Calibration



Run 3432 (not latest and greatest, but much better)

LTCC S5, run 3432



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LTCC Electron Efficiency, run 3432

Preliminary: rough LTCC cluster to track matching Still working on reconstruction algorithms Calibration / Gain Matching is improved since 3432



pions, run 3432



CLAS6, e1-6 data



Pions efficiency, run 3432



Outlook

Preliminary Results: LTCC pion identification performing as expected.

SPE Calibration improving daily.

Software TODOs:

- Timing calibration.
- Improve Cluster Matching to track

Gas TODOs:

- Purchase C4F10
- Design Authority approval for a new (or refurbished) C4F10 recovery system