Recent Updates of CGEM Software (summer activities)









Global Reconstruction









Single pion Efficiency



Efficiency comparable to MDC case, a bit lower at low p_T, there is room for improvements

LL.Wang³





Single pion Momentum Resolution



Resolution comparable to MDC case, a bit worse at low p_T , there is room for improvements

LL.Wang⁴



INF









(Fixed transverse momentum)



Slight decrease in efficiency by increasing the number of tracks (at percent level)

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µTPC Resolution can be estimated only at the end of the whole time calibration procedure

R.Farinelli (& W.Imoehl) 7



Time Calibration Scheme









Time walk corrections



Time reference after calibration





µTPC resolution after 1st time calibration









During summer not everybody sunbathing at the beach...

Global tracking code under testing and characterization

Time calibration under preparation, several rounds of parameters tuning μ -TPC improves but still several tasks to be covered

Automatic Offline Quality Assurance just started