

Comments on Berrie's Questions

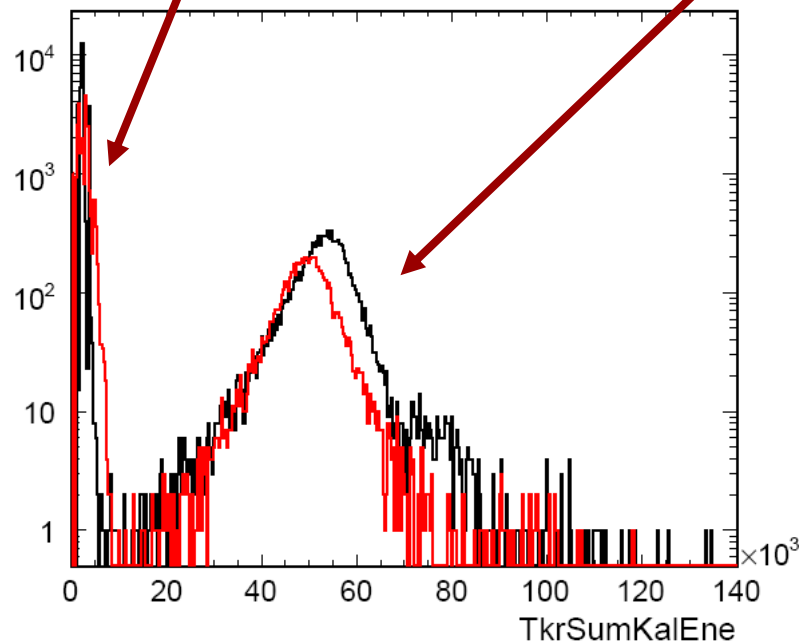
Leon R.
Beamtest VRVS Meeting
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TkrSumKalEne

This is the default to
the CAL energy
Needs to be changed.

This is the “real”
KalEne

Black is data?
Red is MC?



TkrEnergy

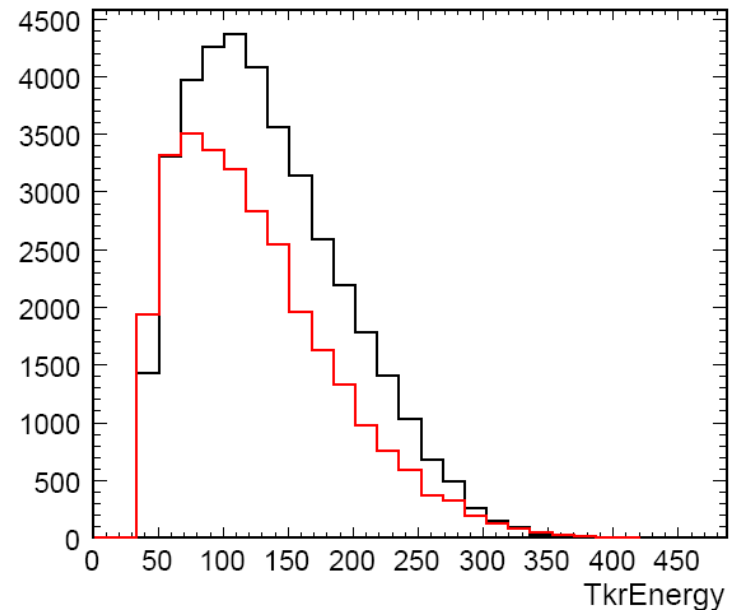
TkrEnergy is calculated by adding up hits in a cone around the best track.

The angle of the cone comes from the track energy, which comes ultimately from the CAL, *but is constant above an energy of 1 GeV*.

So I don't understand this difference.

On the face of it, it says that there are more hits around the track for data than for MC. True?

One could also look at track lengths, angles, etc. to try to understand what's happening here.



Tkr1SXX

Tkr1SXX is the square of the error of the x *slope* parameter of the track. As such it should be independent of the CAL to first order, but to second order the energy measured in the CAL determines the weighting between the measured and extrapolated hits in the smoothing. But by 100 GeV, the weight should already be entirely on the extrapolated point.

So it's not the CAL.

