

PID Paper Plots

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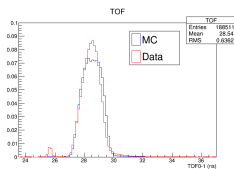
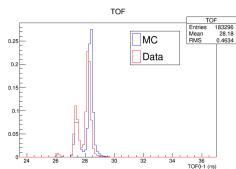
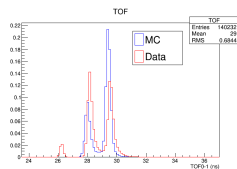
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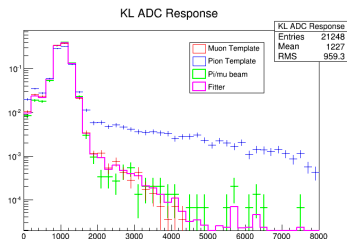
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TOF Plots

TOF plots for the μ , π templates & the (6,200) nominal beam.

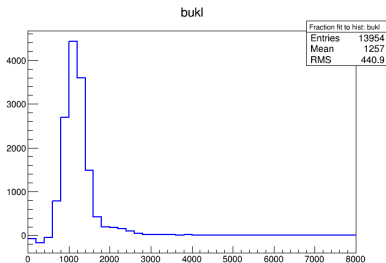
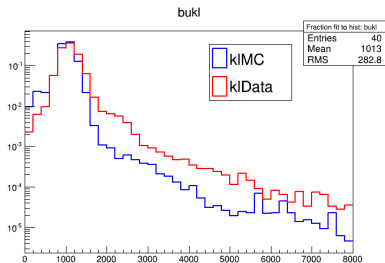


Energy Deposited in KL



- Below threshold signals in first bin suppressed
- Peak width and position both inline with expectation
- Behaviour of tails is much improved
- Predicted pion fraction $1.10 \pm 0.48 \%$ (measured $0.60 \pm 0.58\%$)

MC Data Comparison



- MC does not reproduce double peak seen in data - main reason for large residual after main peak

TOF Cuts

μ template	27.6 - 28.1
π template	27.75 - 28.25
(6,200)	27.6 - 28.1

MC efficiency \rightarrow 32.7%