



Measurement of Non prompt J/Ψ in Pb-Pb collisions at 5.02 TeV

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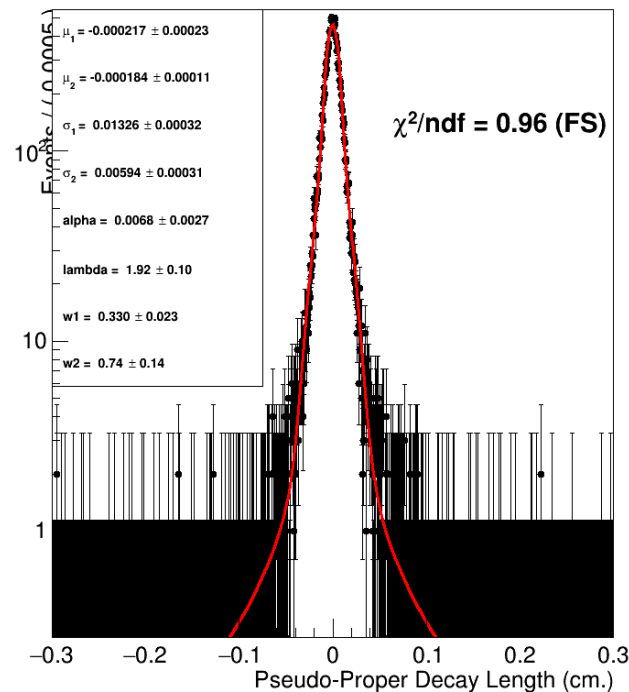
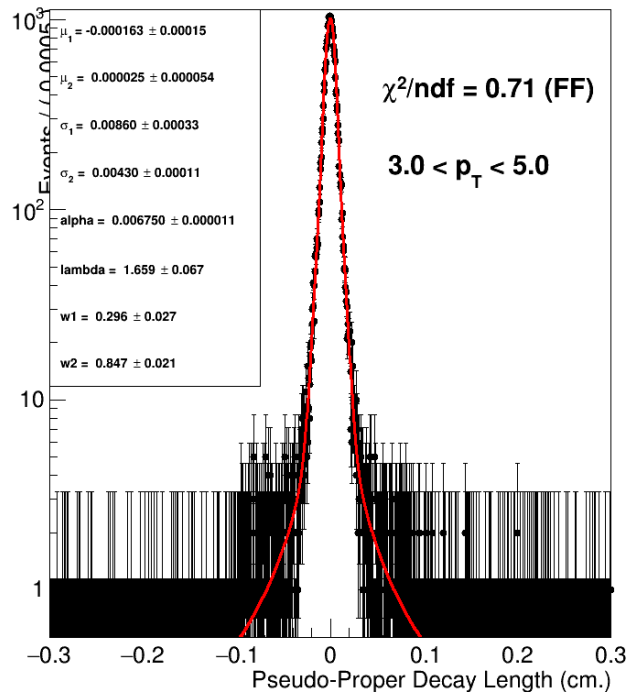


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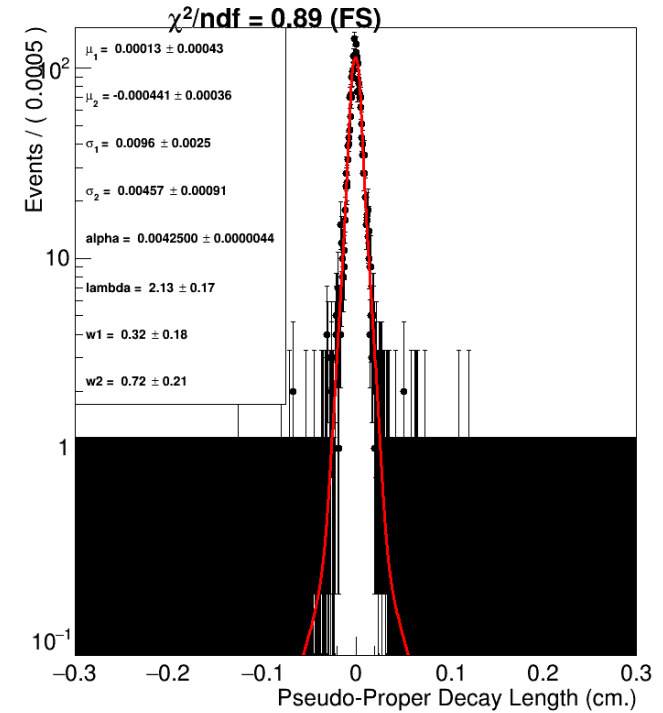
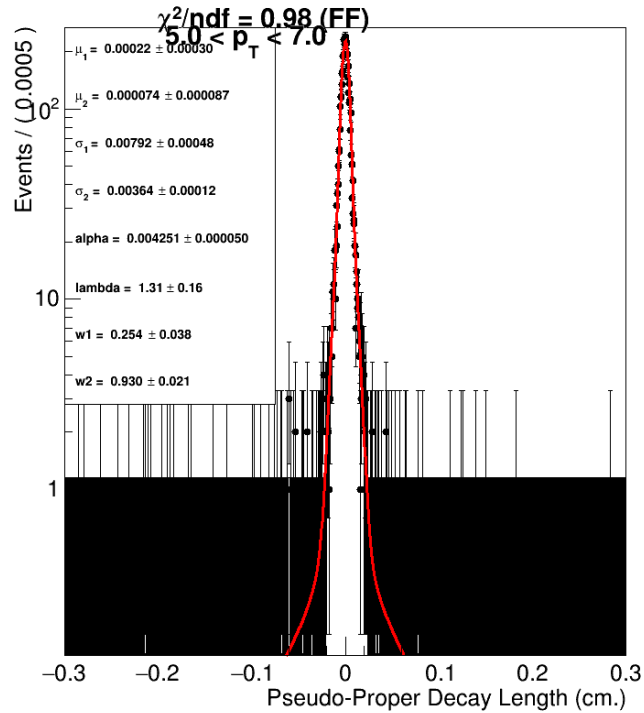
Sep 15th, 2020

ALICE-IFJ Meetings

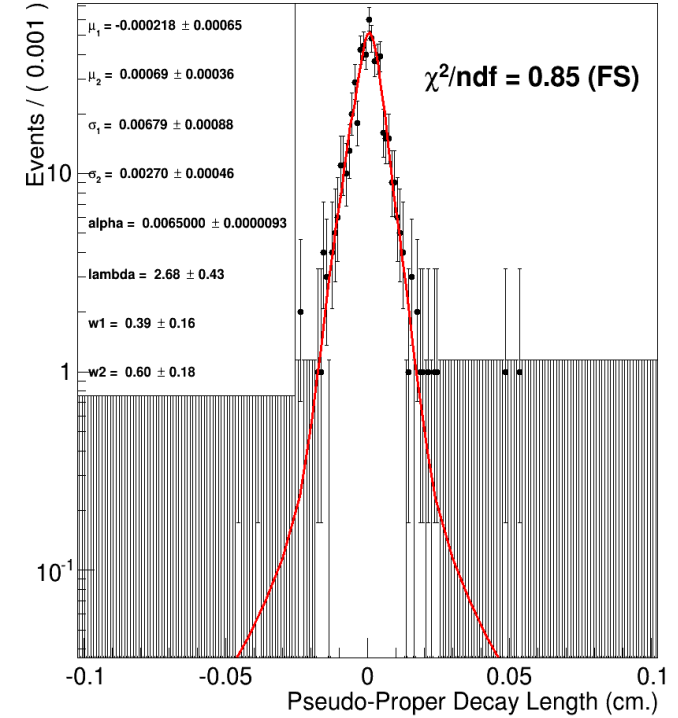
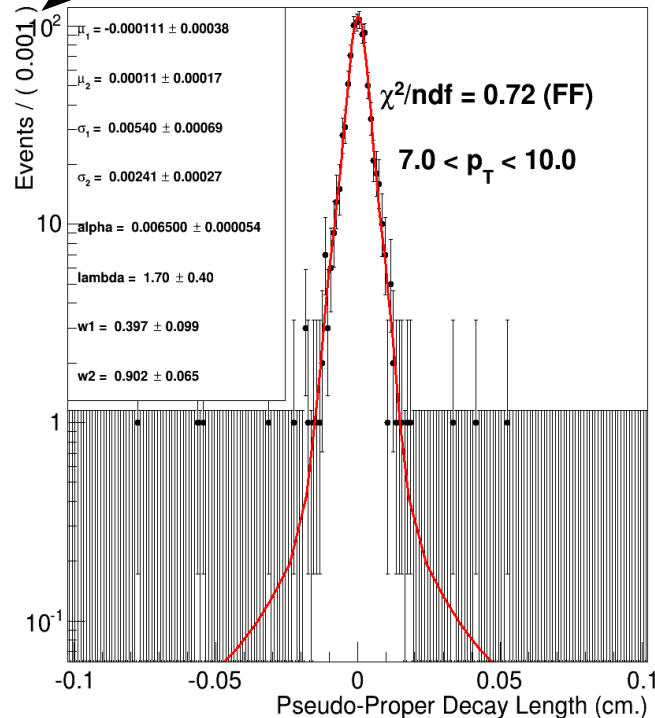
- Reconstructed Prompt Jpsi



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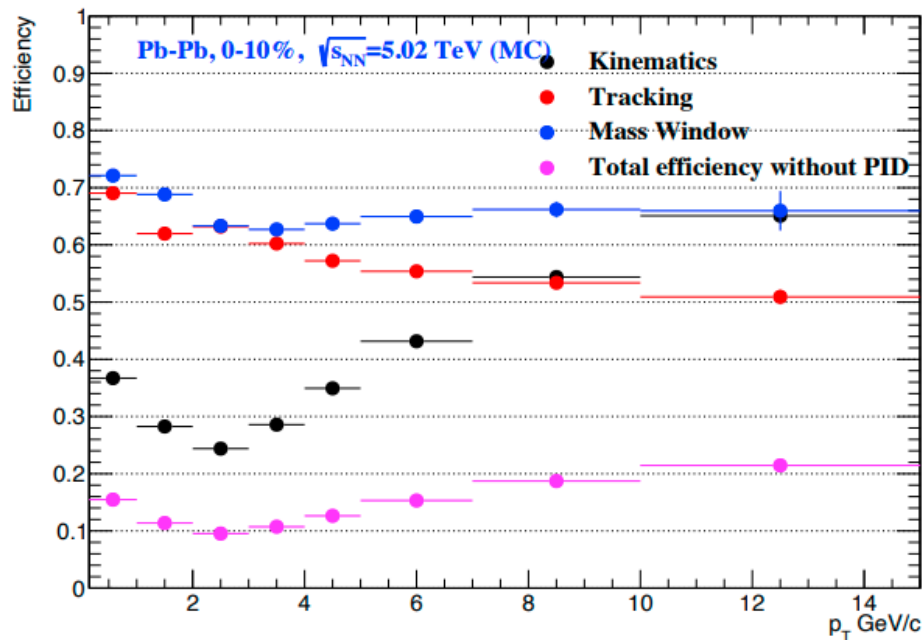


- Reconstructed Prompt Jpsi
 - Bin-width has been increased by 2-times due to stats
 - Most time consuming is construction of $F_{\text{bkg}}(x)$ templates
 - ML-fit with all templates for $5.0 < p_T < 7.0$: $f_B = 0.17 \pm O(0.01)$

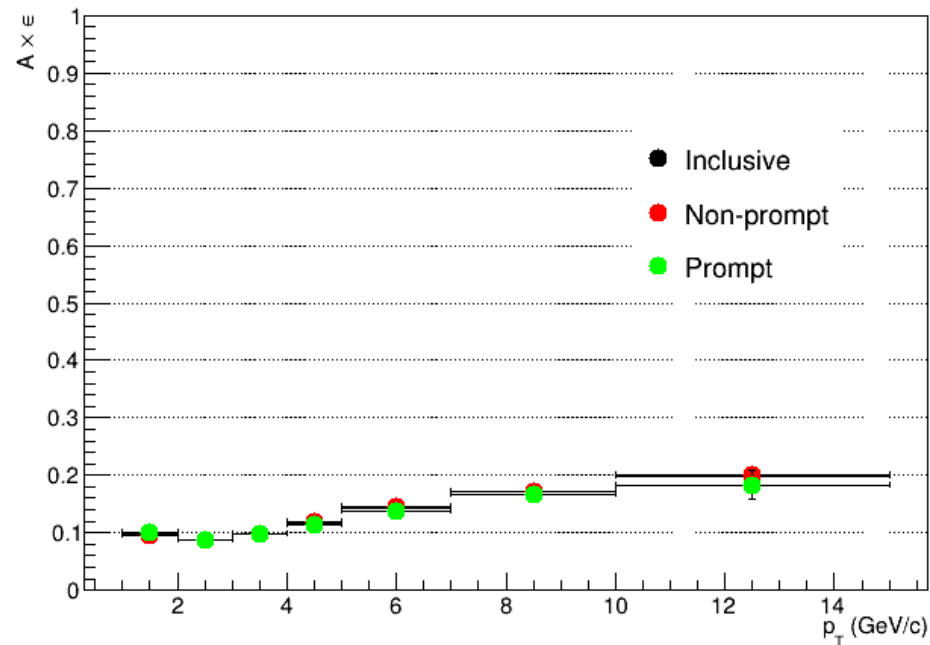


Fit-range is ± 0.3 cm but zoomed at ± 0.1 cm

Quark-Matter '19 preliminary (xBai) @ pass1



hsharma @ Pass1

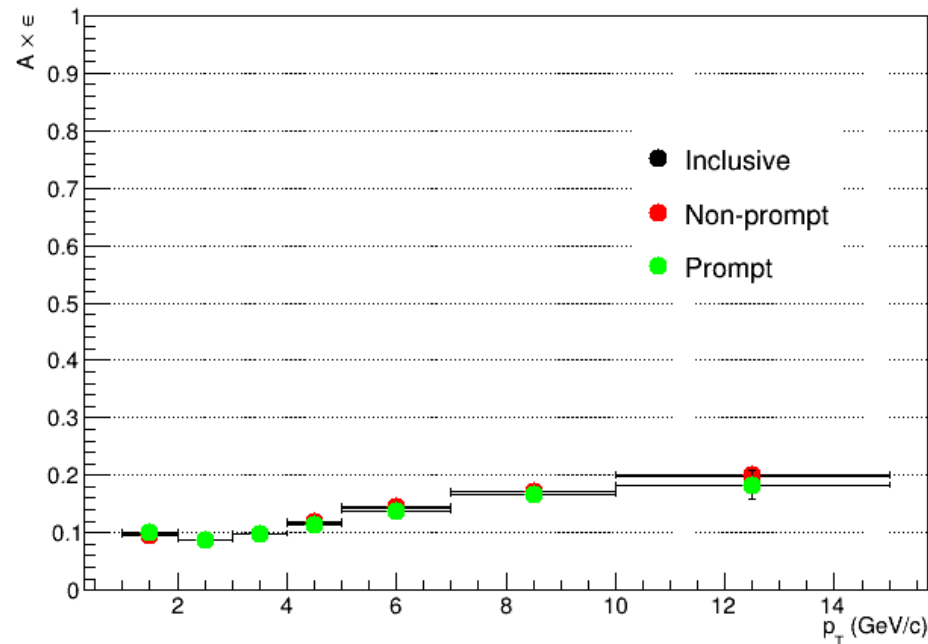
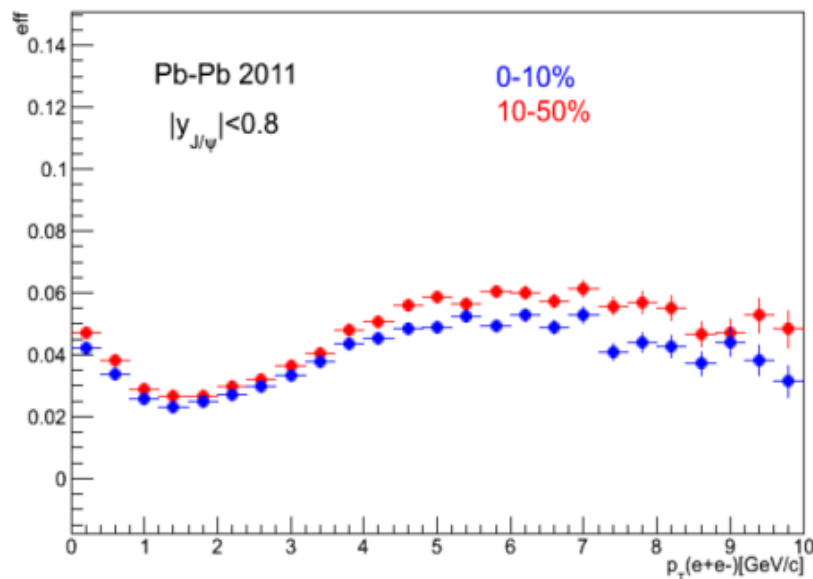


- For the error propagation, I used bayesian-approach here (**Suggested by Arvind**) [Ana-note link](#)
- **Used for Phi-analysis**
-

$$\sigma\epsilon = \sqrt{\frac{k+1}{n+2} \left(\frac{k+2}{n+3} - \frac{k+1}{n+2} \right)}$$

PbPb – 2.76 TeV

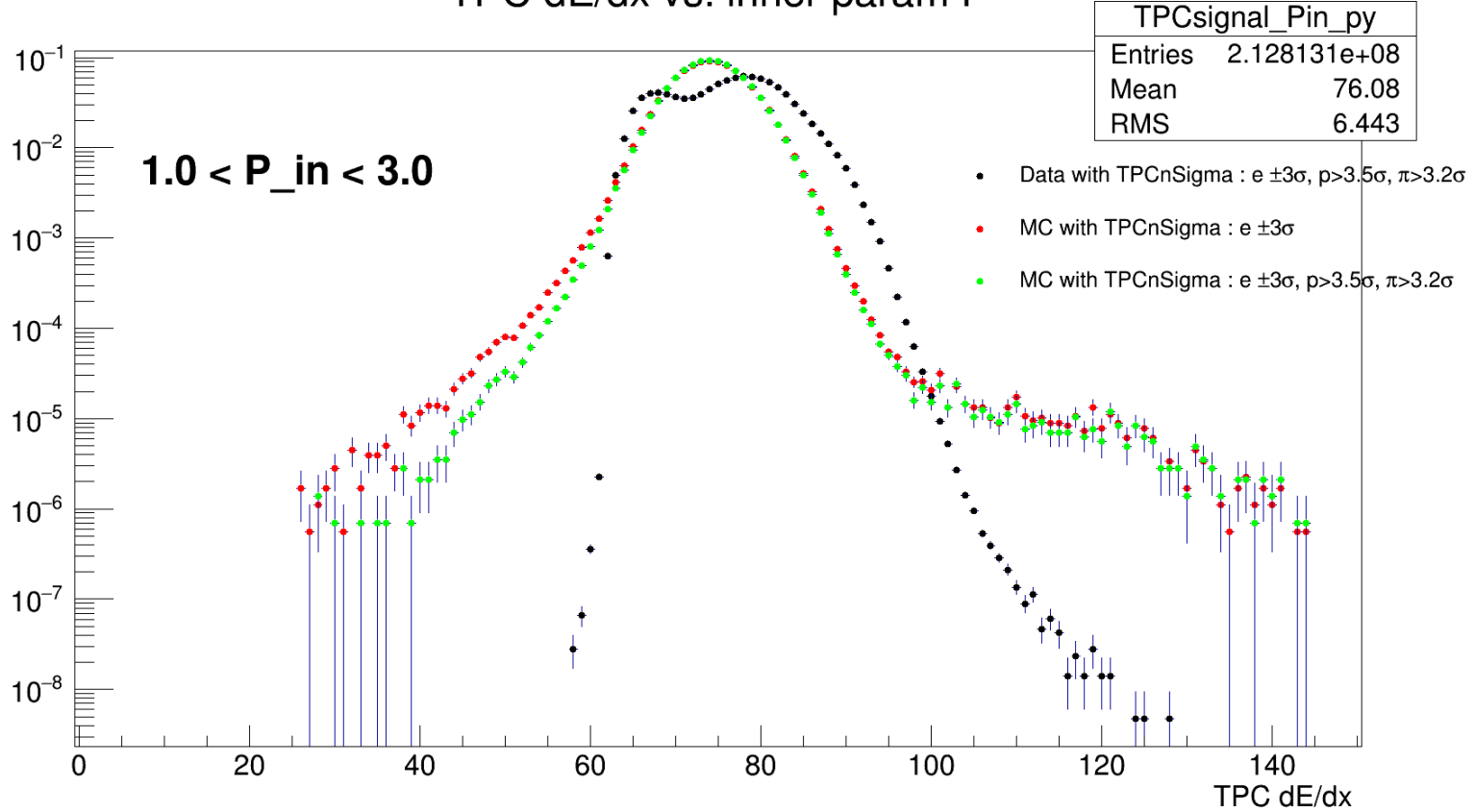
hsharma @ Pass1



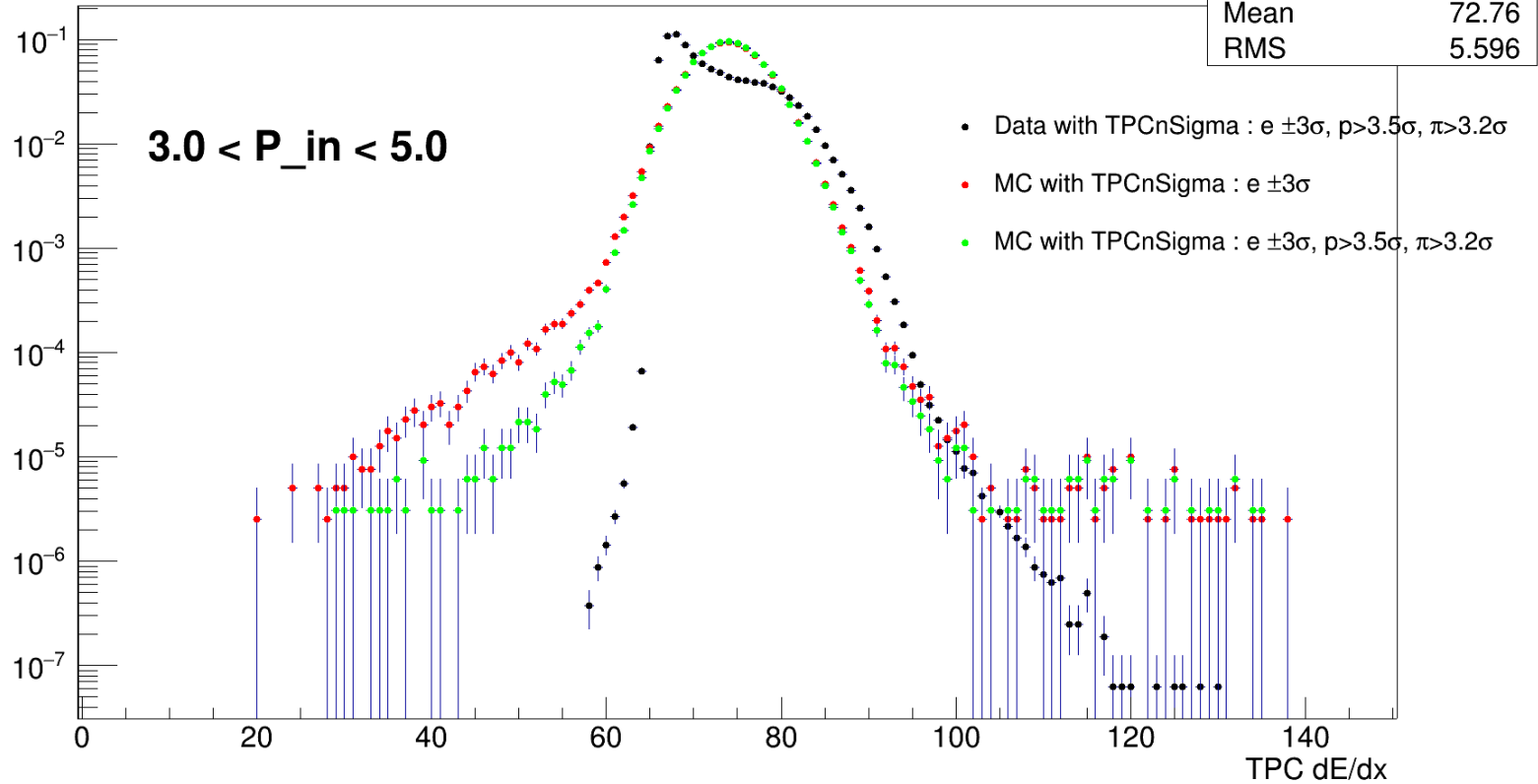
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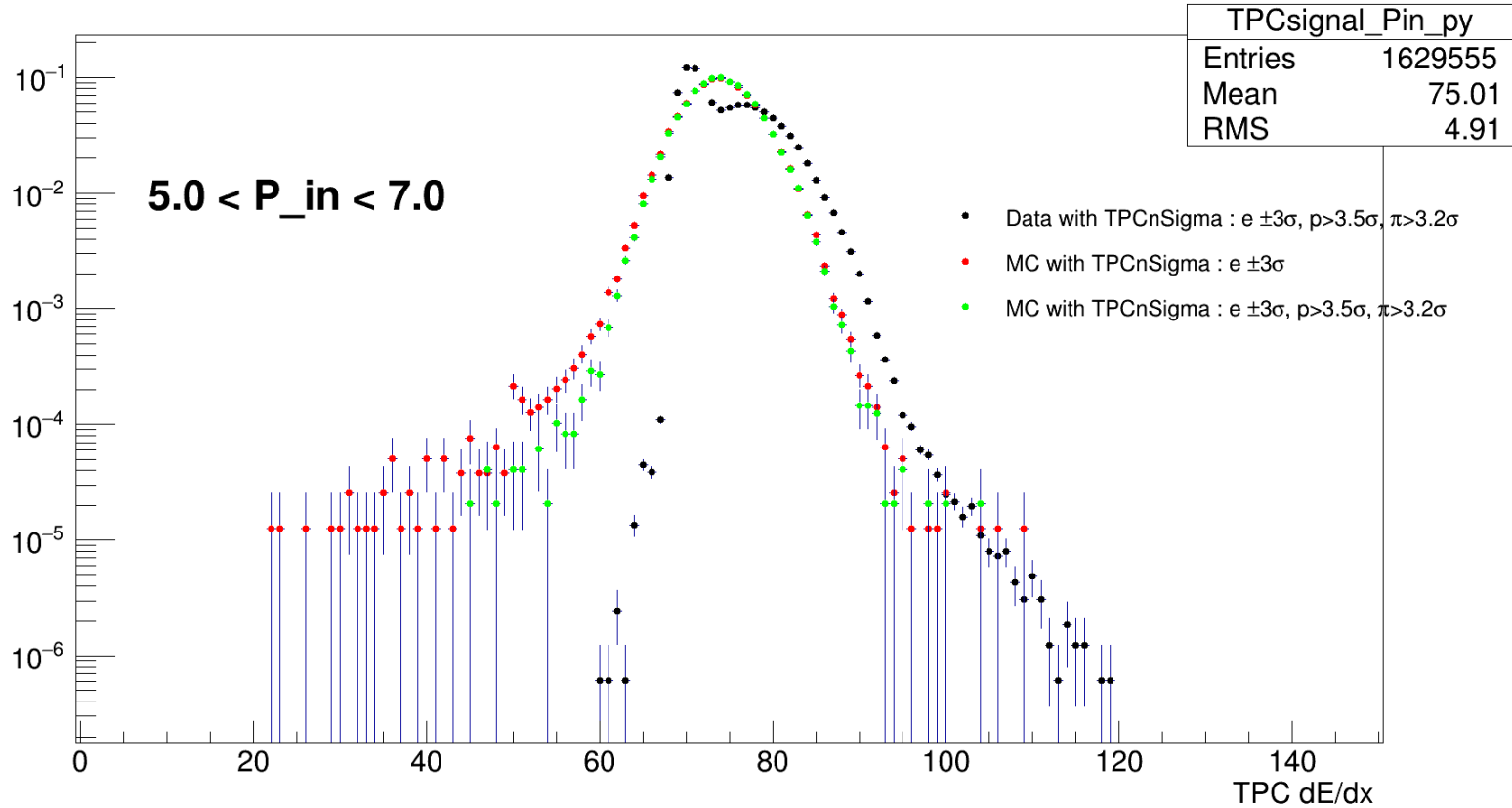
TPC dE/dx vs. inner param P



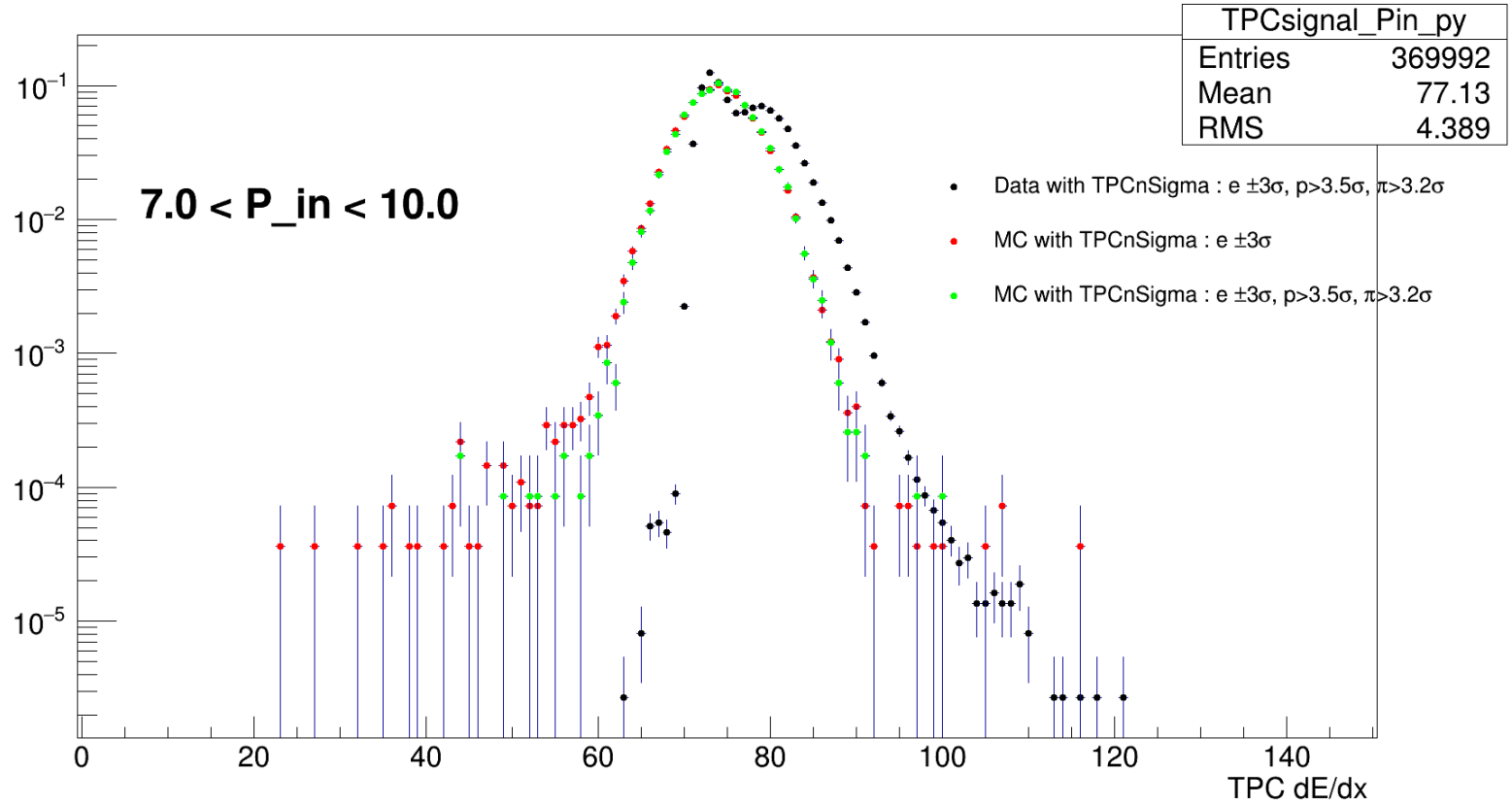
TPC dE/dx vs. inner param P

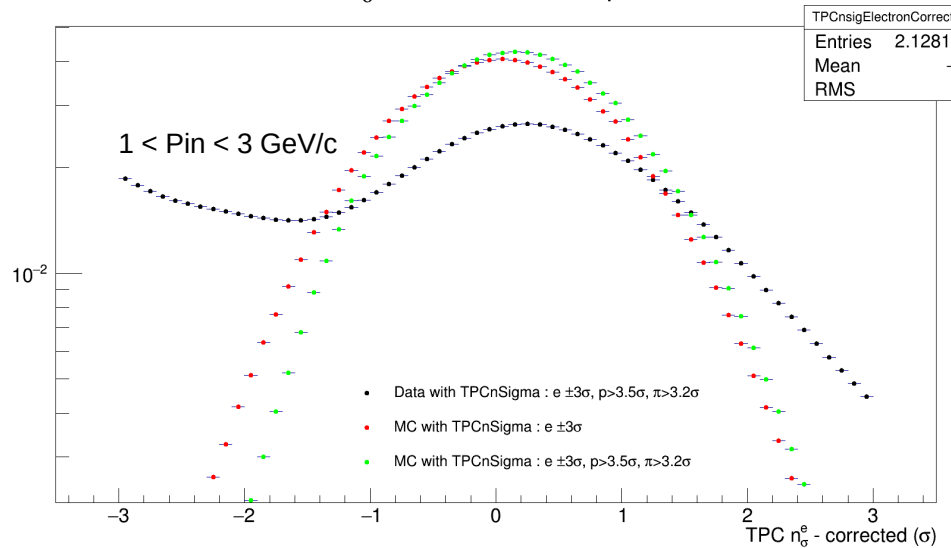
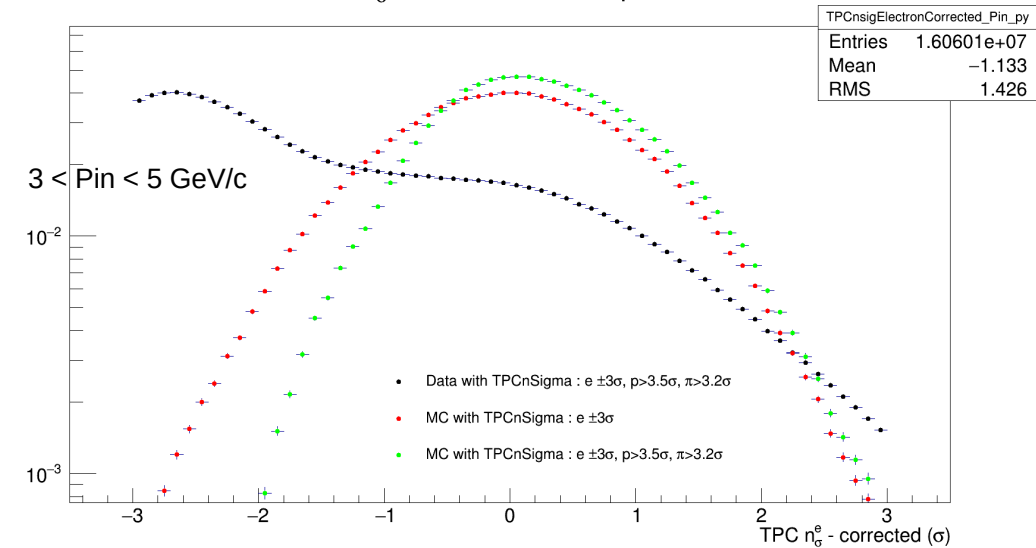
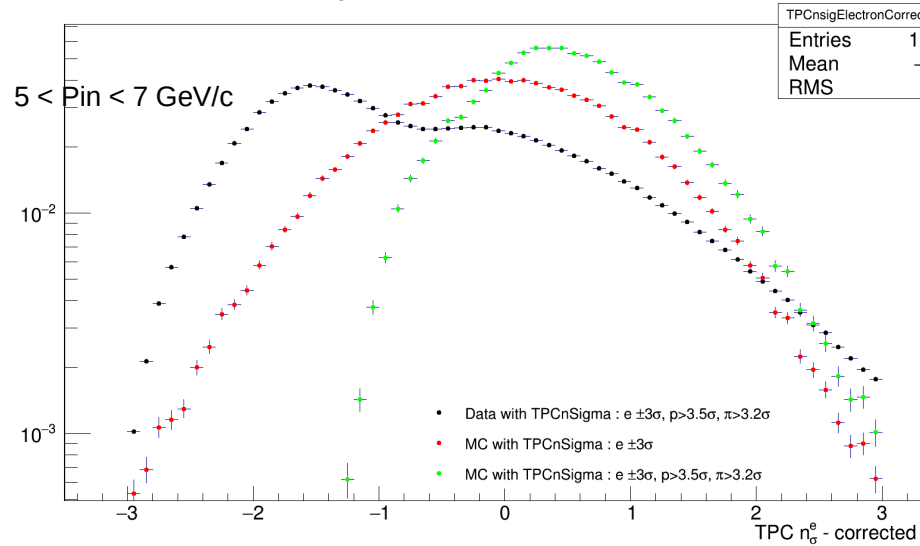


TPC dE/dx vs. inner param P



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TPC N_{σ} electron vs. inner param PTPC N_{σ} electron vs. inner param PTPC N_{σ} electron vs. inner param PTPC N_{σ} electron vs. inner param P